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BEWARE LOCKJAW !

FOURTH OF JULY WOUNDS SHOULD BE TREATED WITH LOCKJAW ANTI-TOXIN.

Lest the overenthusiastic celebration of the Fourth this year lead to an increased number of persons being injured by firecrackers, fireworks, pistol and cannon shot wounds, Surg. Gen. Blue of the United States Public Health Service has issued a reminder that injuries of this character are often followed by tetanus (lockjaw) unless they are promptly and properly treated by a physician. In addition to adequate surgical treatment by the physician, treatment of all such wounds should include an injection of tetanus antitoxin, and this can almost always be obtained from the State health authorities.

THE RELATION OF THE RAILROADS TO THE PUBLIC HEALTH.¹

In assuming control of the railroads of the United States the Government, as you are well aware, organized the United States Railroad Administration. The Railroad Administration in developing its organization appointed a committee on health and medical relief to make a survey of the surgical and medical field in so far as it related to the railroads and to make such recommendations as the committee deemed advisable on this subject, and as the result of its survey.

The committee has been making extensive trips, and expects to continue making such trips, over the various railroads within the jurisdiction of the United States Railroad Administration in order to complete the survey. During our inspections many matters of interest have developed. Our knowledge gained while going over the southern region substantiates recent literature on the subject of the control of malaria in the South and reveals the fact that the railroads are in part responsible for the continuance of malaria.

The embankments used in railroad construction often impede the natural flow of water and frequently there are no culverts or bridges to permit the natural drainage which existed before the railroads were built. Again, the bottoms of culverts are often too high to

¹ Paper presented to the conference of the State and Territorial health authorities with the United States Public Health Service, Washington, D. C., June 5, 1919, by the committee on health and medical relief, United States Railroad Administration, and read by Dr. D. Z. Dunott, chairman of the committee.

permit the free flow of water. The very extensive borrow pits, which result from excavations of earth used for filling purposes, often leave holes which fill with water, have no drainage, and form ideal conditions for the breeding of mosquitoes. Lateral ditches along the right of way are often not well maintained, and extensive mosquito breeding results. Stations and other railroad buildings frequently have no adequate facilities for safely disposing of the drainage from sanitary fixtures.

The railroad companies are realizing their responsibility in this matter and have already done much to correct the evils mentioned. The committee on health and medical relief of the United States Railroad Administration is desirous of having State health officers bring to its attention insanitary conditions similar to those mentioned above whenever the municipalities or counties are ready to undertake general mosquito control. Cooperation in malaria control between the railroads and the State and municipal health services should be possible.

On the recent inspection trip through the South, above referred to, the committee learned that not only are the railroads frequently responsible for mosquito breeding, but that this evil is more than likely to be increased by the extensive wagon and motor road building which is under way or contemplated. It would seem well to draw the attention of State engineering departments and others concerned in the construction of roads to the danger of impeding the flow of water by lack of ditches, inadequate culverts and bridges, and by the creation of borrow pits. The prospects seem fair that by thorough cooperation between the various agencies concerned much may be done to reduce malaria.

Hookworm is another disease that affects the people of the South. The railroads, as large employers of man power, of necessity are compelled to draw their labor chiefly from the communities through which they pass. In consequence they are vitally interested in the health and well-being of these communities. The prevalence of smallpox and typhoid fever continues, and yet these diseases, like malaria and hookworm, are preventable and can be controlled if suitable regulations can be obtained and enforced.

While it is not within the province of the United States Railroad Administration to force such controlling ordinances, it is the disposition and desire of the railroads to aid and assist in carrying out all health regulations of the United States Public Health Service and of the various States and Territories in so far as they apply to them. In this connection it may be noted that the enacting of health or sanitary ordinances that affect only the Railroad Administration personnel, when as a matter of protection the whole of a community should be required to submit to such health and sanitary ordinances,

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makes it difficult for the railroad or railroads affected to carry out requirements of the health authorities. With considerable justice, the officials and the employees will make complaint against the discrimination.

The water-closets in railway stations through the country, with but few exceptions, are maintained in a very insanitary manner. At times they are actually filthy and transgress all rules of decency. The washing facilities are not much better. In some stations arrangements are made for a pay service, and when this is the case cleanliness is the rule.

In large cities the fixtures are in such constant use that it is difficult to find time for cleaning, even when a disposition to that end is shown. In view of the fact that these facilities are used more by the nontraveling public than by the patrons of the railroads, the question naturally arises whether it is quite fair to throw the entire burden of their installation and maintenance upon the railroad companies.

For the sake of common decency the lack of public toilets should receive early attention. America is the only modern country that throws the burden of providing toilets upon private initiative. The committee would be pleased to have suggestions from the members of the conference as to how more adequate facilities can be created and what assistance can be given to railroads to correct the evils mentioned.

Complaints have frequently reached the committee with regard to insanitary maintenance and the type of water-closet fixture used on passenger cars. With the aid of the Pullman Co. this matter has received considerable study, and the prospects for a more satisfactory construction are excellent. The committee is prepared to recommend that the open-hopper type of toilet be replaced with a water flush. In view of the great cost of operating the devices which have been recommended to prevent the scattering of fecal matter along the railway line, up to this time it has not been deemed practicable to recommend safer methods of disposal than are now employed.

The committee believes that local communities should not expect the United States Railroad Administration to install better toilet facilities on its properties than the individuals of the communities are willing to provide for their own personal use and convenience.

The committee is now drafting a set of standard sanitary rules and regulations for stations, shops, railroad trains, etc., and has very nearly completed its work in this connection.

It is our opinion that working in close cooperation with the United States Public Health Service and with the health officers of the various States and Territories great advantage may accrue. We expect to submit the draft of our sanitary rules and regulations to the Public Health Service and to the health officers of the various

States and Territories for review and suggestion. We appreciate that in many States health regulations have already been put in force. We are of the opinion that some of these health regulations have worked unnecessary hardship upon the railroads. The lack of uniformity of health regulations of various States has been a great handicap and has also made a great many unnecessary demands upon the railroads. If these rules and regulations which we are drafting, when revised, could replace the sanitary rules and regulations of the various States, in so far as they affect the railroads, you can readily see what a tremendous assistance this would be to the railroads and how much more readily such rules and regulations could be systematically carried out.

The railroads have been requested from time to time to permit the placing of health posters in the various station and other premises of railroad property. The posters, coming from States and from organizations interested in health problems, are of such variety as to make the Railroad Administration feel that to grant the requests would create a very unsightly station wall. I am glad to advise you that if the Public Health Service and the health officers of the various States can agree upon a practical card or poster, which meets with the approval of the Committee on Health and Medical Relief and which, from an operating standpoint, is satisfactory as to size, wording, and appearance, the necessary authority will be granted for the posting of such a card in the railroad stations under Federal control.

Bearing all these matters in mind, we suggest that this conference authorize its Committee on Railroad Sanitation to meet with us, in order to devise such a poster.

While this conference will not be interested in the entire program which our committee has under consideration, it might be pertinent to state that the railroads under Government control in 1917, employing approximately 2,000,000 people, men and women, mostly men, injured over 194,000 persons. Approximately 63,000 of the people injured were more or less severely crippled, and over 10,000 people were killed. The figures for 1916, same roads, are so similar that unless I emphasized the year from which I was quoting the figures, you might justly believe the 1917 figures were being repeated.

This disabling mill has been grinding with such regularity as to the character of its injuries, and with such monotony as to the number of injuries, that I fear it has created the impression that the law of averages controls and that the toll is inevitable. Perhaps this is true. Certainly, however, the improved devices for the guarding of dangerous machinery, put into operation by the railroads, their safety-first committees, and the control by the Interstate Commerce Commission of the hours of service, bespeak the efforts that have been made and are to-day being made to stop this human

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wastage. If statistics were available which would permit of tabulation, combining deaths and injuries from the mines, from the great steel plants, and from other vast manufacturing organizations, we could not fail to be impressed by the fact that immediate steps should be taken to see if we have reached the irreducible minimum of industrial accidents. We can not afford to forget that such accidents cause sound men of yesterday to become cripples of to-day and swell the ranks of the dead of to-morrow.

We are deeply interested in the question of reconstruction and revocation, and having as an example the activities of this Government in its efforts to salvage the wounded and sick of the Army and Navy during the war which is just passing, we would be derelict, indeed, if we ignored this humane and economic problem.

Every man who has lived through the last five years and has given any thought to the brave deeds well done and to the suffering endured, must be impressed with the vast changes that this period has produced. So, too, we must recognize that in rewelding, to purposes of peace, the tremendous and vital forces that were turned loose for purposes of war, a great task looms before us. As the result, from time to time there will emerge not only lessons of inestimable value, but, just as important, confirmation of lessons already learned.

From the melting pot of experience, ambition, and endeavor, the medical profession will receive its reward for its years of study and research. It has enabled the country to maintain a great mass of fighting men in the best of physical condition. Those of us who have devoted our energies to the surgical side of the profession bow most graciously to you gentlemen of the Public Health Service and the State boards of health. To meet you fairly, we must develop a preventive surgery platform, as you have been developing one of preventive medicine.

We have proved that in the face of a common foe we can be united as one man. Is it not our duty to unite our various interests with the same spirit during this period of reconstruction, which must necessarily follow so great a war?

History, I believe, will show that in no war and among no people has there been engendered such a spirit of idealism as has been developed by the people who have combined to overcome and control a common enemy. In no other country has this idealism reached such heights as in this country of ours. While remembering the necessity of tempering our ideals with practical thought and action, let us hold to our idealism. It is a virtue that may well be cherished.

It is my particular pleasure to assure you of the hearty cooperation of our committee in all matters in which we have a joint interest with you and we feel confident that in like manner we will not look to you in vain for assistance and help in the problems which we have to solve.

PRINCIPAL CAUSES OF DEATH IN UNITED STATES REGISTRATION AREA.

CENSUS BUREAU SUMMARIZES MORTALITY STATISTICS FOR 1917.

The Census Bureau's annual compilation of mortality statistics for the death-registration area in continental United States shows 1,068,932 deaths as having occurred in that area in 1917, representing a rate of 14.2 per 1,000 of population. Of these deaths, nearly one-third were due to three causes—heart diseases, pneumonia, and tuberculosis—and nearly another third resulted from the following nine causes: Bright's disease and nephritis, apoplexy, cancer, diarrhea and enteritis, arterial diseases, influenza, diabetes, diphtheria, and bronchitis. The death-registration area of the United States in 1917 comprised 27 States, the District of Columbia, and 43 cities in nonregistration States, with a total estimated population of 75,000,000 or about 73 per cent of the estimated population of the United States. (The Territory of Hawaii has recently been added to the registration area, but the figures given in this summary relate only to continental United States.)

The deaths from heart diseases (organic diseases of the heart and endocarditis) numbered 115,337, or 153.2 per 100,000 population. The death rate from this cause shows a noticeable decrease as compared with 1916, when it was 159.4 per 100,000. There have been fluctuations from year to year, but in general there has been a marked increase since 1900, the earliest year for which the annual mortality statistics were published, when the rate for heart diseases was only 123.1 per 100,000.

Pneumonia (including broncho-pneumonia) was responsible for 112,821 deaths, or 149.8 per 100,000. This rate, although much lower than that for 1900 (180.5) or for several succeeding years, is higher than that for any year during the period 1908-1916. The lowest recorded rate for pneumonia was 127 per 100,000 in 1914. The mortality from this disease has fluctuated considerably from year to year since 1900, the general tendency having been downward until 1914 and upward from 1914 to 1917.

Tuberculosis in its various forms caused 110,285 deaths, of which 97,047 were due to tuberculosis of the lungs. The death rate from all forms of tuberculosis was 146.4 per 100,000, and from tuberculosis of the lungs, 128.9. The rate from tuberculosis of all forms declined continuously from 200.7 per 100,000 in 1904 to 141.6 per 100,000 in 1916, the decrease amounting to nearly 30 per cent; but for 1917 an increase is shown. Until 1912 more deaths were due to tuberculosis than to any other single cause, but in that year and during the period 1914-1917 the mortality from tuberculosis was less than that from heart diseases, and in 1917 it fell below that from pneumonia also.

Bright's disease and acute nephritis caused 80,912 deaths, or 107.4 per 100,000. The mortality rate from these diseases has increased from 89 per 100,000 in 1900, with some fluctuations from year to year, and since 1914 the increase has been continuous.

Apoplexy was the cause of 62,431 deaths, or 82.9 per 100,000. The rate from this disease increased gradually, with occasional slight declines, from 1900 to 1912, and since 1913 the increase has been continuous.

Cancer and other malignant tumors caused 61,452 deaths, of which number 23,413, or 38 per cent, resulted from cancer of the stomach and liver. The rate from cancer has risen from 63 per 100,000 in 1900 to 81.6 in 1917. The increase has not been continuous, there having been three years—1906, 1911, and 1917—which showed declines as compared with the years immediately preceding. The decrease in 1917 as compared with 1916, however, was very slight—from 81.8 to 81.6. It should be borne in mind that at least a part of the increase in the death rate from cancer may be apparent rather than real, being due to a greater degree of accuracy in diagnosis and to greater care on the part of physicians in making reports to registration officials.

Diarrhea and enteritis caused 59,504 deaths, or 79 per 100,000. The rate from this cause has fallen somewhat in recent years, having been 90.2 in 1913, and is much lower than the corresponding rate for 1900, which was 133.2. More than four-fifths of the total deaths charged to these causes in 1917 were of infants under two years of age.

Arterial diseases of various kinds—atheroma, aneurism, etc.—resulted in 19,055 deaths, or 25.3 per 100,000. The rate from these causes increased continuously from 6.1 in 1900 to 25.6 in 1912, since which year it has fluctuated somewhat without showing any pronounced change.

Influenza was responsible for 12,974 deaths, or 17.2 per 100,000. This rate is the highest shown for any epidemic disease in 1917, but is much lower than the corresponding one for the preceding year, 26.4 per 100,000. The influenza rate, which fluctuates greatly, was higher in 1901, when it stood at 32.2, than in any subsequent year prior to the occurrence of the recent epidemic.

Deaths from diabetes numbered 12,750, or 16.9 per 100,000. The rate from this disease, although slightly lower than in 1916, has risen almost continuously since 1900, when it was 9.7.

Next to that for influenza, the highest rate appearing for any epidemic disease in 1917 was for diphtheria, 16.5 per 100,000, representing 12,453 deaths. The rate from this disease was somewhat higher in 1917 than in the preceding year, when it stood at 14.5 per 100,000.

Bronchitis caused 12,311 deaths, or 16.3 per 100,000. This rate is lower than that for any preceding year except 1916, when it was 16.2. The proportional decline from 1900, for which year the bronchitis rate was 45.7, to 1917, amounting to 64 per cent, was greater than that shown for any other important cause of death.

Typhoid Fever.

Typhoid fever resulted in 10,113 deaths, or 13.4 per 100,000. The mortality rate from this cause also has shown a remarkable reduction since 1900, when it was 35.9, the proportional decrease amounting to 63 per cent. This highly gratifying decline demonstrates in a striking manner the efficacy of improved sanitation and of the modern method of prevention—the use of the antityphoid vaccine.

Measles, Whooping Cough, and Scarlet Fever.

These three children's diseases were together responsible for 21,723 deaths of both adults and children, or 28.8 per 100,000. The rates for the three diseases separately were 14.3, 10.4, and 4.2, respectively, as compared with 11.1, 10.2, and 3.3 in 1916. As in 1913 and 1916, the deaths due to measles outnumbered those resulting from either of the other diseases, but in 1914 and 1915 whooping cough caused the greatest mortality. In every year since and including 1910, as well as in several preceding years, measles has caused a greater number of deaths than scarlet fever.

External Causes.

Deaths due to external causes of all kinds—accidental, suicidal, and homicidal—numbered 81,953 in 1917, corresponding to a rate of 108.8 per 100,000 population.

The greatest number of deaths charged to any one accidental cause—11,114, or 14.8 per 100,000—is shown for falls. The rate for this cause varies but slightly from year to year.

Next to falls, the greatest number of accidental deaths—8,649, or 11.5 per 100,000—resulted from railroad accidents and injuries. This rate is greater than the corresponding rates for 1914, 1915, and 1916 (10.7, 9.9, and 11.3, respectively) but is lower than that for any year from 1906—the first year for which deaths from this cause were reported separately—to 1913, inclusive.

Burns—excluding those received in conflagrations and in railroad, street-car, and automobile accidents—were responsible for 6,830 deaths, or 9.1 per 100,000. The death rate from burns was greater than that for the preceding year, 8 per 100,000, and was also greater than the rate for any earlier year covered by the bureau's records, with the exception of 1907.

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Deaths from automobile accidents and injuries in 1917 totaled 6,724, or 8.9 per 100,000 population. This rate has risen rapidly from year to year, but not so rapidly as the rate of increase in the number of automobiles in use.

Accidental drowning caused 5,550 deaths, or 7.4 per 100,000. This rate is considerably less than that for any preceding year since 1910, and is also decidedly below the average for the decade 1901-1910.

Deaths due to accidental asphyxiation (except in conflagrations) numbered 3,375, or 4.5 per 100,000. This rate is somewhat higher than that for any year during the preceding 10-year period.

Mine accidents and injuries resulted in 2,623 deaths, or 3.5 per 100,000. This rate is greater than the rates for the preceding three years and for 1912 but is lower than those for other recent years.

Deaths due to injuries by vehicles other than railroad cars, street cars, and automobiles numbered 2,326, or 3.1 per 100,000. The rate from this cause has declined somewhat during the past 10 years, probably because of the decrease in the use of horse-drawn vehicles.

Deaths resulting from street-car accidents numbered 2,277, corresponding to a rate of 3 per 100,000. This rate is greater than those for the two years preceding and is the same as that for 1912, but is less than the rates for other recent years.

Machinery accidents caused 2,112 deaths, or 2.8 per 100,000, a rate materially greater than that for any preceding year covered by the bureau's mortality records.

Hot weather caused 1,964 deaths, or 2.6 per 100,000. This rate is considerably above rates for most of the years covered by the bureau's records, but is somewhat lower than 2.9 in 1916 and is far below 5.3 in 1911. The rate from this cause naturally varies greatly from year to year.

The number of suicides reported for 1917 was 10,056, or 13.4 per 100,000. This rate is the lowest shown for any year since 1903.

Other deaths due to external causes, including homicides, totaled 18,353, or 24.4 per 100,000.

The following table shows, for the death-registration area in continental United States in 1917, the total number of deaths and the death rate, by leading causes, together with the percentage which each cause contributed to the total:

Cause.	Number.	Rate per 100,000 population.	Per cent of total.
All causes.....	1,068,932	1,419.4	100.0
Organic diseases of the heart.....	115,337	153.2	10.8
Pneumonia (all forms).....	112,821	149.8	10.5
Tuberculosis (all forms).....	110,235	146.4	10.3
Tuberculosis of the lungs.....	97,047	128.9	9.1
Tuberculous meningitis.....	6,092	8.1	0.6
Other forms of tuberculosis.....	7,146	9.5	0.7

Cause.	Number.	Rate per 100,000 population.	Per cent of total.
External causes.			
Accidental falls.....	81,953	103.8	7.7
Suicide.....	11,114	14.8	1.0
Railroad accidents and injuries.....	10,056	13.4	0.9
Burns (excluding those due to conflagrations).....	8,649	11.5	0.8
Automobile accidents and injuries.....	6,830	9.1	0.6
Homicide.....	6,724	8.9	0.6
Accidental drowning.....	5,781	7.7	0.5
Accidental absorption of deleterious gases, except in conflagrations.....	5,550	7.4	0.5
Mine accidents and injuries.....	3,375	4.5	0.3
Injuries by vehicles other than railroad cars, street cars, and automobiles.....	2,623	3.5	0.2
Street-car accidents and injuries.....	2,326	3.1	0.2
Machinery accidents and injuries.....	2,277	3.0	0.2
Effects of heat (other than burns).....	2,112	2.8	0.2
Other external causes.....	1,964	2.6	0.2
Acute nephritis and Bright's disease.....	12,572	16.7	1.2
Cerebral hemorrhage (apoplexy).....	80,912	107.4	7.6
Cancer.....	62,431	82.9	5.9
Diarrhea and enteritis.....	61,452	81.6	5.8
Congenital debility and malformations.....	59,504	79.0	5.6
Arterial diseases—Atheroma, aneurism, etc.....	56,973	75.7	5.3
Influenza.....	19,055	25.3	1.8
Diabetes.....	12,974	17.2	1.2
Diphtheria.....	12,750	16.9	1.2
Bronchitis.....	12,453	16.5	1.1
Measles.....	12,311	16.3	1.1
Typhoid fever.....	10,745	14.3	1.0
Appendicitis and typhilitis.....	10,113	13.4	0.9
Respiratory diseases other than pneumonia and bronchitis.....	9,429	12.5	0.9
Hernia and intestinal obstructions.....	9,238	12.3	0.9
Cirrhosis of the liver.....	8,677	11.5	0.8
Whooping cough.....	8,569	11.4	0.8
Puerperal affections other than puerperal septicemia.....	7,837	10.4	0.7
Meningitis.....	7,317	9.7	0.7
Puerperal septicemia.....	6,890	9.1	0.6
Rheumatism.....	5,211	6.9	0.5
Scarlet fever.....	4,456	5.9	0.4
Erysipelas.....	3,141	4.2	0.3
Malaria.....	2,866	3.8	0.3
All other defined causes.....	2,387	3.2	0.2
Unknown or ill-defined causes.....	147,235	195.5	13.8
	13,610	18.1	1.3

CITY HEALTH OFFICERS, 1919.

Directory of those in Cities of 10,000 or more Population in 1910.

Directories of the city health officers in the cities of the United States having a population of 10,000 or more have been published in the Public Health Reports in 1916, 1917, and 1918¹ for the information of health officers and others interested in public health activities. These directories have been compiled from data furnished by the health officers.

The asterisk (*) indicates that the officer so designated has been reported to be a "full-time" health officer. For this purpose a "full-time" officer is defined as "one who does not engage in the practice of medicine or in any other business, but devotes all his time to official business."

¹ Reprints Nos. 346, 416, and 494.

City.	Name of health officer.	Official title.
Alabama: Anniston..... Bessemer..... Birmingham..... Gadsden..... Mobile..... Montgomery..... Selma..... Tuscaloosa.....	*G. A. Cryer, M. D. ¹ M. C. Ragsdale, Jr., M. D. *J. D. Dowling, M. D. ² *C. L. Murphree, M. D. ³ *C. A. Mohr, M. D. ⁴ *H. B. Wilkinson, M. D. B. R. Rogan, M. D. *A. A. Kirk, M. D.	City health officer. Assistant health officer. Health officer. Do. Do. City health officer. Do. City and county health officer.
Arizona: Bisbee..... Phoenix..... Tucson.....	D. C. Brown, M. D. H. K. Beauchamp, M. D. Meade Clyne, M. D.	City health officer. Do. Do.
Arkansas: Fort Smith..... Helena..... Hot Springs..... Little Rock..... North Little Rock..... Pine Bluff.....	*A. A. McKelvie, M. D. G. G. Attman, M. D. B. F. Casada, M. D. *..... R. C. Foster, M. D. F. C. Rowell, M. D.	District health officer. City health officer. City and county health officer.
California: Alameda..... Bakersfield..... Berkeley..... Eureka..... Fresno..... Long Beach..... Los Angeles..... Oakland..... Pasadena..... Pomona..... Redlands..... Riverside..... Sacramento..... San Bernardino..... San Diego..... San Francisco..... San Jose..... Santa Ana..... Santa Barbara..... Santa Cruz..... Stockton..... Vallejo.....	A. Hieronymus, M. D. C. W. Kellogg, M. D. J. J. Benton, M. D. L. A. Wing, M. D. George H. Bland, M. D. *Ralph L. Taylor, M. D. *L. M. Powers, M. D. Daniel Crosby, M. D. J. Severy Hibben, M. D. N. J. Rice, M. D. *William A. Taitavall, M. D. W. B. Weil, M. D. W. J. Hanna, M. D. F. M. Gardner, M. D. E. P. Chartres-Martin, M. D. *William C. Hassler, M. D. W. C. Bailey, M. D. J. I. Clark, M. D. *George H. Hicks, M. D. A. N. Nittler, M. D. Linwood Dozier, M. D. E. A. Peterson, M. D.	City physician and health officer. City health officer.
Colorado: Boulder..... Colorado Springs..... Denver..... Fort Collins..... Greeley..... Pueblo.....	Cyrus W. Poley, M. D. G. B. Gilmore, M. D. William H. Sharpley, M. D. T. C. Taylor, M. D. Oscar F. Bromann, M. D. W. E. Buck, M. D. G. W. Robinson, M. D.	Health officer. Do. Do. City health officer. Health officer. Health commissioner. City health officer. Health officer and city physician. Health officer. City physician and health officer. Health officer.
Trinidad		
Connecticut: Ansonia..... Bridgeport..... Bristol..... Danbury..... Enfield..... Greenwich..... Hartford..... Manchester..... Meriden..... Middletown..... Naugatuck..... New Britain..... New Haven..... New London..... Norwalk..... Norwich..... Orange..... Stamford..... Torrington..... Wallingford..... Waterbury..... Willimantic.....	F. C. Goldstein, M. D. *Walter H. Brown, M. D. Hubert D. Brennan, M. D. G. E. Lemmer, M. D. *George T. Finch, M. D. Albert E. Austin, M. D. *C. P. Botisford, M. D. D. C. Y. Moore, M. D. Joseph A. Cooke, M. D. Thomas P. Walsh, M. D. W. I. Baker, M. D. *William M. Stockwell, M. D. *Frank W. Wright, M. D. E. C. Chipman, M. D. William J. Tracy, M. D. Edward J. Brophy, M. D. Charles A. Bevan, M. D. James J. Costanzo, M. D. Elias Pratt, M. D. I. E. Brainerd, M. D. C. W. S. Frost, M. D. Michael D. Riordan, M. D.	Director of public health. Health officer. Manager of health and charity. County health officer. City health officer. Chief of department of sanitation. City physician.
Delaware: Wilmington.....	*James J. Cahill.....	Health officer.
District of Columbia: Washington.....	William C. Fowler, M. D.	Secretary board of health. Health officer District of Columbia.

¹ Also health officer for Calhoun County.² Also health officer for Jefferson County and all municipalities.³ Also health officer for Etowah County.⁴ Also health officer for Mobile County.⁵ Also health officer for Montgomery County.⁶ Also health officer for Garland County.

City.	Name of health officer.	Official title.
Florida:		
Jacksonville.....	*William W. MacDonell, M. D....	City health officer.
Key West.....	William R. Warren, M. D. ¹	District and city health officer.
Pensacola.....	W. D. Nobles, M. D.....	City physician.
Tampa.....	Sheldon Stringer, M. D.....	City health officer.
West Tampa.....	Louis Levy, M. D.....	City physician.
Georgia:		
Albany.....		
Athens.....	*J. P. Kennedy, M. D.....	City health officer.
Atlanta.....	Eugene E. Murphey, M. D.....	President of board of health (ex-officio health officer).
Augusta.....		
Brunswick.....	*Robert W. Todd, M. D.....	Commissioner of health.
Columbus.....	J. K. Hoskins.....	City health officer.
Macon.....	*T. W. Margerum, M. D.....	Health officer.
Rome.....	*M. M. McCord, M. D. ²	Commissioner of health.
Savannah.....	*William F. Brunner, M. D.....	Health officer.
Waycross.....	Charles A. Downey, D. V. S.....	City health officer and pure-food inspector.
Idaho:		
Boise.....	Irving J. Pond, M. D.....	Health officer and city physician.
Pocatello.....	John Harrison Lynn, M. D.....	City physician.
Illinois:		
Alton.....	D. F. Duggan, M. D.....	Health commissioner.
Aurora.....	George W. Haan, M. D.....	Do.
Belleville.....	B. H. Portuondo, M. D.....	President board of health.
Bloomington.....	*J. M. Finstman, M. D.....	Health officer.
Cairo.....	W. C. Clarke, M. D.....	Health officer and city physician.
Canton.....	L. R. Chapin, M. D.....	Health commissioner.
Centralia.....	J. W. Armstrong, M. D.....	Health officer.
Champaign.....	W. E. Schowengerdt, M. D.....	Do.
Chicago.....	John Dill Robertson, M. D.....	Commissioner of health.
Chicago Heights.....	Gustavus F. Schreiber, M. D.....	Do.
Cicero.....	B. L. Vilna, M. D.....	Health commissioner.
Danville.....	W. C. Dixon, M. D.....	Do.
Decatur.....	*T. H. Neece, M. D.....	Superintendent of health.
East St. Louis.....	C. W. Lilly, M. D.....	Health commissioner.
Elgin.....	A. J. Voktorff.....	Health officer.
Evanston.....	Clarence T. Roome, M. D.....	Commissioner of health.
Freeport.....	E. H. Best, M. D.....	Health commissioner.
Galesburg.....	E. D. Wing, M. D.....	Commissioner of health.
Granite City.....	J. Harrison Wedig, M. D.....	Health commissioner.
Jacksonville.....	A. M. King, M. D.....	City health physician.
Joliet.....	Ed. J. Higgins, M. D.....	Commissioner of health.
Kankakee.....	C. K. Smith, M. D.....	Do.
Kewanee.....	*James C. Tortiell.....	Sanitary inspector.
La Salle.....	*E. W. Weis, M. D.....	Health commissioner.
Lincoln.....	E. C. Gafney, M. D.....	Health officer.
Mattoon.....	R. J. Coulas, M. D.....	City health officer.
Maywood.....	H. H. Roberts, M. D.....	Health officer.
Moline.....	W. T. Hinman, M. D.....	City physician and registrar.
Monmouth.....	R. C. McMillan, M. D.....	Health officer.
Mount Vernon.....	Andy Hall, M. D.....	Do.
Oak Park.....	Frank S. Needham, M. D.....	Commissioner of health.
Pekin.....	Lawrence R. Clary, M. D.....	City health officer.
Peoria.....	Fred M. F. Meixner, M. D.....	Commissioner of health.
Quincy.....	*C. H. Martin.....	Health commissioner.
Rock Island.....	Albert N. Mueller, M. D.....	City physician.
Rockford.....	J. S. Lundholm, M. D.....	Commissioner of health.
Springfield.....	*Albert E. Campbell, M. D.....	Superintendent of health.
Streator.....	L. D. Howe, M. D.....	President board of health.
Urbana.....	Austin M. Lindley, M. D.....	President board of health and health officer.
Waukegan.....	John C. Foley, M. D.....	City physician.
Indiana:		
Anderson.....	J. A. Long, M. D.....	Secretary city board of health.
Bedford.....	Harvey Voyles, M. D.....	Do.
Bloomington.....	John E. Luzzader, M. D.....	Do.
Brazil.....	L. L. Williams, M. D.....	City health officer.
Crawfordsville.....	Fred A. Dennis, M. D.....	Do.
East Chicago.....	J. A. Teegarden, M. D.....	Secretary board of health.
Elkhart.....	L. A. Elliott, M. D.....	Do.
Elwood.....	Charles G. Dick, M. D.....	City health officer.
Evansville.....	P. H. Linthicum, M. D.....	Health commissioner.
Fort Wayne.....	Eric A. Crull, M. D.....	Secretary board of health.
Frankfort.....	*William J. Fernald, M. D.....	Do.
Gary.....	Christopher M. Reyher, M. D.....	City health officer.
Hammond.....	William A. Buchanan, M. D.....	City sanitarian.
Huntington.....	R. F. Frost, M. D.....	City health officer.
Indianapolis.....	*Herman G. Morgan, M. D.....	Do.
Jeffersonville.....	J. H. Baldwin, M. D.....	Secretary board of health.
Kokomo.....	T. C. Cochran, M. D.....	City Health Officer.
La Fayette.....	J. D. Hillis, M. D.....	Do.
Laporie.....	Victor Long, M. D.....	Secretary board of health.

¹ Also health officer for Monroe County.² Also health officer for Floyd County.

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City.	Name of health officer.	Official title.
Indiana—Continued.		
Logansport.....	J. P. Hetherington, M. D.	City health officer.
Marion.....	George R. Daniels, M. D.	Do.
Michigan City.....	E. O. Krusger, M. D.	Do.
Mishawaka.....	H. E. Strubbe	Health officer.
Muncie.....	Noah D. Berry, M. D.	Secretary board of health.
New Albany.....	F. W. Hazelwood, M. D.	City health officer.
Newcastle.....	W. I. Fugate, M. D.	Secretary city board of health.
Peru.....	L. O. Malsbury, M. D.	Health officer.
Richmond.....	J. H. Kinsey, M. D.	Secretary of board of health.
Shelbyville.....	Frank E. Ray, M. D.	Secretary city board of health.
South Bend.....	E. G. Freyermuth, M. D.	Health officer.
Terre Haute.....	M. B. Van Cleave, M. D.	Secretary board of health.
Vincennes.....	Norman E. Beckes, M. D.	Do.
Iowa:		
Boone.....	William Woodburn, M. D.	Health officer.
Burlington.....	J. W. Dixon, M. D.	City physician.
Cedar Rapids.....	*Anthony Thustay	Health officer.
Clinton.....	H. R. Sugg, M. D.	Do.
Council Bluffs.....	Chas. H. Bower, M. D.	Do.
Davenport.....	*Thos. P. Kennedy	Health commissioner.
Des Moines.....	*David E. Rouse, M. D.	Physician to board of health.
Dubuque.....	Chas. Palen, M. D.	Do.
Fort Dodge.....	J. D. Lowry, M. D.	City health officer.
Iowa City.....	John P. Mullin, M. D.	Physician to board of health.
Kokomo.....	C. H. Fegers, M. D.	Health officer.
Marshalltown.....	J. F. Ballin, M. D.	Superintendent of health and sanitation.
Mason City.....	A. D. Smith, M. D.	City health physician.
Muscatine.....	Arthur J. Weaver, M. D.	City physician.
Ottumwa.....	W. E. Anthony, M. D.	Do.
Sioux City.....	B. Courshon, M. D.	City health officer.
Waterloo.....	D. C. Huntoon, M. D.	Do.
Kansas:		
Atchison.....	Charles W. Robinson, M. D.	City and county health officer.
Chanute.....	W. E. Rayster, M. D.	City health officer.
Coffeyville.....	Walter H. Wells, M. D.	City physician and health officer.
Fort Scott.....	C. F. Harrar, M. D.	Health officer.
Hutchinson.....	H. M. Stewart, M. D.	City health officer.
Independence.....	E. C. Wickerham, M. D.	Secretary county board of health.
John.....	J. S. Sutcliffe, M. D.	County health officer.
Kansas City.....	E. A. Reeves, M. D.	Commissioner of health and sanitation.
Lawrence.....	Arthur W. Clark, M. D.	Superintendent of public health.
Leavenworth.....	Charles J. Mc Gee, M. D.	City physician.
Parsons.....	L. B. Kackley, M. D.	Health officer.
Pittsburg.....	Ralph E. Jenkins, M. D.	City health officer.
Topeka.....	H. L. Clark, M. D.	Do.
Salina.....	S. T. Blodes, M. D.	Health officer for Saline County.
Wichita.....	*W. T. Doherty, M. D.	City health officer.
Kentucky:		
Ashland.....	George W. Moore, M. D.	City health officer.
Covington.....	J. M. O'Maley, M. D.	Do.
Frankfort.....	R. M. Coblin, M. D.	Health officer.
Henderson.....	George M. Royster, M. D.	Do.
Hopkinsville.....	J. W. Harned, M. D.	Do.
Lexington.....	*Dennis A. Furlong	Health officer (acting).
Louisville.....	*T. H. Baker, M. D.	City health officer.
Newport.....	John Todd, M. D.	Do.
Owensboro.....	A. McKenney, M. D.	Do.
Paducah.....	H. P. Linn, M. D.	Do.
Louisiana:		
Alexandria.....	*C. M. Abbott, M. D.	Director of public health.
Baton Rouge.....	Philip H. Jones, M. D.	President board of health.
Lake Charles.....	*G. C. McInney, M. D.	Do.
Monroe.....	F. C. Bennett, M. D.	Do.
New Orleans.....	William H. Robin, M. D.	Superintendent of public health.
Shreveport.....	G. C. Chandler, M. D.	President and health officer.
Maine:		
Auburn.....	D. A. Barrell, M. D.	Executive secretary board of health.
Augusta.....	George A. Coombe, M. D.	Health officer.
Bangor.....	*John Goldthwait	Secretary board of health.
Biddeford.....	Edmund A. Morsan	Health officer.
Lewiston.....	Charles Robbins	Do.
Portland.....	*Thomas Tetresau	Health officer.
Sanford.....	C. W. Blagden, M. D.	Do.
Waterville.....	Frederick C. Thayer, M. D.	Do.
Maryland:		
Baltimore.....	John E. Blake, M. D.	Commissioner of health.
Cumberland.....	Max. J. Colton	Health officer.
Frederick.....	J. M. Goodman, M. D.	City health officer.
Hagerstown.....		

¹ Also health officer for Rapides Parish² Also health officer for Calcasieu Parish.

City.	Name of health officer.	Official title.
Massachusetts:		
Adams.	A. J. Bond, M. D.	Secretary board of health.
Amesbury.	Herbert G. Leslie, M. D.	Do.
Arlington.	*W. H. Bradley	Agent board of health.
Attleboro.	Ralph P. Kent, M. D.	Health officer.
Beverly.	*Alonzo O. Woodbury, M. D.	Clerk and agent.
Boston.	*Wm. C. Woodward, M. D.	Health commissioner.
Brockton.	Fred J. Ripley, M. D.	Health officer.
Brookline.	Francis P. Denny, M. D.	Agent and health officer.
Cambridge.	Bradford H. Pierce, M. D.	Medical inspector for board of health.
Chelsea.	*William J. Randall	Health officer.
Chicopee.	*Charles J. O'Brien	Agent and secretary.
Clinton.	*Edward De Courcy	Health officer.
Dedham.	John W. Pratt, M. D.	Do.
Danvers.	*Hugo Nappa	Agent of board of health.
Easthampton.	Clemence C. Buckner	Do.
Everett.	*William Gess	Do.
Fall River.	*Samuel B. Morris	Do.
Fitchburg.	*Fred R. Brigham	Do.
Framingham.	*Fred Stone Dodson	Executive officer.
Gardiner.	*William P. O'Donnell	Health officer.
Gloucester.	P. P. Moore, M. D.	Secretary board of health.
Greenfield.	George P. Moore	Health agent.
Haverhill.	George T. Lennon	Agent and clerk of board of health.
Holyoke.	*J. Sidney Wright	Agent and health officer.
Lawrence.	*Daniel J. Murphy	Chairman board of health.
Leominster.	*Michael J. Butler	Agent and plumbing inspector.
Lowell.	*Francis J. O'Hall	Agent board of health.
Lynn.	M. R. Donovan, M. D.	Commissioner of public health.
Malden.	Charles E. Prior, M. D.	Chairman board of health.
Marlborough.	*John J. Cassidy	Agent board of health.
Medford.	Paul J. D. Haley, M. D.	Medical Inspector.
Melrose.	Clarence P. Holden, M. D.	Chairman board of health.
Methuen.	*John T. Dugdale	Sanitary inspector and executive.
Milford.	Jas. J. Birmingham	Agent board of health.
Natick.	William J. Cochran, M. D.	Chairman board of health.
New Bedford.	Wm. G. Kirchbaum	Agent and executive officer.
Newburyport.	*William Thurston	Agent and clerk.
Newton.	*Francis Geo. Curtis, M. D.	Chairman board of health.
North Adams.	*D. W. Hyde	Agent board of health.
North Attleboro.	Amzi Bedell Shoemaker, M. D.	Local health officer.
Northhampton.	*Geo. R. Turner	Agent board of health.
Northbridge.	W. E. Bump	Do.
Peabody.	James J. Ray	Health officer.
Pittsfield.	*A. L. Stone, M. D.	Physician to board of health.
Plymouth.	George H. Jackson, M. D.	Health commissioner.
Quincy.	Edward A. Bean	Agent and health officer.
Revere.	*Joseph E. Lamb, M. D.	Agent board of health.
Salem.	*John J. McGrath	Chairman board of health.
Saugus.	Charles E. Light	Medical inspector.
Somerville.	Ralph F. Hodgdon, M. D.	Agent board of health.
Southbridge.	*Albert R. Brown	Chairman board of health.
Springfield.	*William L. Young	Agent board of health.
Taunton.	Thomas J. Robinson, M. D.	Do.
Wakefield.	*David Taggart	Chairman board of health.
Waltham.	C. B. Fuller, M. D.	Health officer.
Watertown.	*John W. Tapper	Director public welfare.
Webster.	Leon J. Kreft	Health officer.
West Springfield.	Julius A. Morrill	Health officer and secretary.
Westfield.	*F. H. Moody	Agent of board of health.
Weymouth.	F. S. Doucette, M. D.	Agent and milk inspector.
Winchester.	Clarence J. Ailen, M. D.	Secretary board of health.
Winthrop.	*Smith A. Meury	Health officer.
Woburn.	*Edward Francis Gorman	Agent and secretary.
Worcester.	James C. Coffey	Executive officer.
Michigan:		
Adrian.	John P. Bland, M. D.	Health officer.
Alpena.	Wm. A. Sechrist, M. D.	Do.
Ann Arbor.	John A. Wessinger, M. D.	Do.
Battle Creek.	*Eugene Miller, M. D.	Do.
Bay City.	John A. Keho, M. D.	Do.
Benton Harbor.	E. R. Taylor, M. D.	Do.
Cadillac.	David Rabston, M. D.	Do.
Detroit.	*Henry F. Vaughan, D. P. H.	Commissioner of health.
Escanaba.	*W. A. Cotton, M. D.	Health officer.
Flint.	*William De Kleine, M. D.	Do.
Grand Rapids.	*C. C. Slemmons, M. D.	Do.
Hancock.	M. D. Roberts, M. D.	Do.
Holland.	Byron B. Godfrey, M. D.	Do.
Ironwood.	*J. J. Gerkins, M. D.	Do.
Highland Park.	Wm. N. Braley, M. D.	Do.
Ishpeming.	Geo. G. Barnett, M. D.	City health officer.
Jackson.	*Harry B. Neagle, M. D.	Health officer and director.
Kalamazoo.	*Alvin H. Rockwell, M. D.	Health officer.
Lansing.	*Herbert L. Wright, M. D.	Director of health.

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City.	Name of health officer.	Official title.
Michigan—Continued.		
Laurium.....	D. K. Macqueen, M. D.....	Health officer.
Ludington.....	H. E. Hoffman, M. D.....	Do.
Manistee.....	Ellsworth S. Ellis, M. D.....	Do.
Marquette.....	*C. P. Drury, M. D.....	Do.
Menominee.....	E. V. McComb, M. D.....	Do.
Muskegon.....	R. J. Harrington, M. D.....	City physician and health officer.
Owosso.....	W. E. Ward, M. D.....	Health officer.
Pontiac.....	*Charles A. Neafie, M. D.....	Do.
Port Huron.....	William J. Duff, M. D.....	Do.
Saginaw.....	W. B. Clark, M. D.....	City health officer.
Sault Ste. Marie.....	*J. J. Griffin, M. D.....	Do.
Traverse City.....	Frank Holdsworth, M. D.....	Health officer.
Minnesota:		
Duluth.....	Edw. W. Fahy, M. D.....	Director of public health.
Hibbing.....	C. F. Carstens, M. D.....	Health officer.
Mankato.....	Arthur A. Wohlrabe, M. D.....	Health commissioner.
Minneapolis.....	*H. M. Guilford, M. D.....	Commissioner of health.
Red Wing.....	*W. W. Sweney, M. D.....	Health officer.
St. Cloud.....	P. E. Stangl, M. D.....	City physician.
St. Paul.....	*Benjamin F. Simon, M. D.....	Chief health officer.
Stillwater.....	J. H. Haines, M. D.....	Health commissioner.
Virginia.....	C. W. Miller, M. D.....	Health officer.
Winona.....	William V. Lindsay, M. D.....	City physician.
Mississippi:		
Columbus.....	Charles E. Lehnerberg, M. D.....	President city board of health.
Greenville.....	Jerome B. Hirsch, M. D.....	City physician.
Hattiesburg.....	*B. F. Moseley, M. D.....	County health officer.
Jackson.....	*H. F. Magee, M. D.....	Health officer.
Laurel.....	J. B. Jarvis, M. D.....	City health officer.
Meridian.....	T. J. Houston, M. D.....	Do.
Natchez.....	E. B. French, M. D.....	Do.
Vicksburg.....	S. Myers, M. D.....	City physician.
Missouri:		
Cape Girardeau.....	Charles F. Stone.....	City health officer.
Columbia.....	W. A. Norris, M. D.....	Secretary city board of health.
Hannibal.....	J. S. Parks.....	Health officer.
Independence.....	F. L. Cook, M. D.....	City physician.
Jefferson City.....	Ed. Mansur, M. D.....	Do.
Joplin.....	*R. B. Tyler, M. D.....	Commissioner of health and sanitation.
Kansas City.....	*E. H. Bullock, M. D.....	Health director.
Moberly.....	Thomas S. Fleming, M. D.....	Health commissioner.
St. Charles.....	T. L. Hardin, M. D.....	City physician.
St. Joseph.....	*Hasbronck De Lamater, M. D.....	Health officer.
St. Louis.....	*Max C. Starkloff, M. D.....	Health commissioner.
Sedalia.....	Wm. E. Bess, M. D.....	Health officer.
Springfield.....	*Edward S. Finch, M. D.....	Commissioner of health and sanitation.
Webb City.....	C. H. Craig, M. D.....	City physician and secretary city board of health.
Montana:		
Anaconda.....	James M. Sligh, M. D.....	City health officer.
Billings.....	*Louis W. Allard, M. D.....	Health officer.
Butte.....	E. R. Grizz, M. D.....	Health officer and city physician.
Great Falls.....	Aloysius Dolan, M. D.....	Secretary city board of health.
Helena.....	Max Barbour, M. D.....	City health officer.
Missoula.....	John Paul Ritchey, M. D.....	Secretary city board of health.
Nebraska:		
Bearce.....	C. W. Walden, M. D.....	City physician.
Fremont.....	James C. Agee, M. D.....	Secretary board of health.
Grand Island.....	Leo Phelan, M. D.....	Health officer.
Hastings.....	James V. Beghtol, M. D.....	City physician.
Lincoln.....	Chauncey F. Chapman, M. D.....	Superintendent of health.
Omaha.....	Ernest T. Manning, M. D.....	Health commissioner.
Nevada:		
Reno.....	W. L. Samuels, M. D.....	Health officer.
New Hampshire:		
Berlin.....	H. E. Wilkinson, M. D.....	Do.
Concord.....	*Charles E. Palmer.....	Sanitary officer.
Dover.....	*William E. Whiteley.....	Executive officer.
Keene.....	John J. Brosnahan, M. D.....	Chairman board of health.
Laconia.....	W. H. True, M. D.....	Secretary city board of health.
Manchester.....	*Carl O. Seaman.....	Health officer.
Nashua.....	*Thomas F. Cullen.....	City inspector and bacteriologist.
Portsmouth.....	*Walter H. Junkins.....	Do.
New Jersey:		
Asbury Park.....	*B. H. Obert.....	Health officer and registrar vital statistics.
Atlantic City.....	*Talbot Reed, M. D.....	Health officer.
Bayonne.....	W. W. Broke, M. D.....	Do.
Bellville.....	W. Brand Smith.....	Do.
Bloomfield.....	Joseph C. Saile (osteopath).....	Do.
Bridgeton.....	*Charles E. Bellows.....	Sanitary inspector.
Camden.....	John F. Leavitt, M. D.....	Do.

City.	Name of health officer.	Official title.
New Jersey—Continued.		
East Orange.	*T. Dudley Ballinger.	Sanitary inspector.
Elizabeth.	*Louis J. Richards.	Do.
Englewood.	*John A. Manson.	Executive officer.
Garfield.	Charles B. Bleasby, M. D.	Do.
Gloucester City.	John Alonso Beek, M. D.	Health officer.
Hackensack.	George W. Finke, M. D.	Do.
Harrison.	*John T. McClure.	Do.
Hoboken.	J. F. Stack, M. D.	Commissioner of health.
Irvington.	*Joseph K. Cilekenger.	Sanitary inspector.
Jersey City.	Joseph J. Craven, M. D.	Medical health officer.
Kearny.	*H. V. Amerman.	Health officer.
Long Branch.	*R. Clifford Erricksay.	Do.
Millville.	Frank Bullock.	Do.
Montclair.	*John Gaub.	Health officer and registrar of vital statistics.
Morristown.	*John J. Belbey.	Sanitary inspector.
New Brunswick.	E. Irving Cronk, M. D.	City health officer.
Newark.	*Charles V. Craster, M. D., D. P. H.	Health officer.
Orange.	*John O'Brien.	Sanitary engineer.
Paterson.	John N. Ryan, M. D.	Health Officer.
Perth Amboy.	Orville R. Hazen, M. D.	Do.
Phillipsburg.	*Charles S. Thompson, D. V. S.	Do.
Plainfield.	*Alma L. Williston, M. D.	Do.
Rahway.	*W. J. Randolph Chandler.	Do.
Trenton.	Fred M. Williams.	Sanitary officer.
Union.	A. S. Fell, M. D.	Health officer.
West Hoboken.	Chas. H. Hopkins.	Do.
West New York.	*Frank A. Frederick.	Do.
West Orange.	*Randolph Kunze.	Chief inspector.
New Mexico:	*David E. Buckley.	Health officer.
New York:		
Albany.	Arthur Sautter, M. D.	Health officer.
Amsterdam.	Horace M. Hicks, M. D.	Do.
Auburn.	Thomas Conant Sawyer, M. D.	Do.
Batavia.	John W. Baker, M. D.	Do.
Beacon.	Charles B. Dugan, M. D.	Do.
Binghamton.	C. J. Longstreet, M. D.	Do.
Buffalo.	*Franklin C. Gram, M. D.	Health commissioner (acting).
Cohoes.	Edward M. Bell, M. D.	Health officer.
Corning.	Frank S. Swain, M. D.	Do.
Cortland.	A. C. Knapp, M. D.	Do.
Dunkirk.	George E. Ellis, M. D.	Do.
Elmira.	Reeve B. Howland, M. D.	Do.
Fulton.	Clarence L. Fessenden, M. D.	Do.
Geneva.	Charles D. McCarthy, M. D.	Do.
Glens Falls.	*Virgil D. Selleck, M. D.	Do.
Gloversville.	A. L. Johnson, M. D.	Do.
Hornell.	*Bertis R. Wakeman, M. D.	Do.
Hudson.	William D. Collins, M. D.	Do.
Ithaca.	H. H. Crum, M. D.	Do.
Jamestown.	*John J. Mahoney, M. D.	Superintendent of public health.
Johnstown.	Austin Hogan, M. D.	Health officer.
Kingston.	Frank A. Johnston, M. D.	Do.
Lackawanna.	Edward A. Twist, M. D.	Do.
Little Falls.	A. B. Santry, M. D.	Do.
Lockport.	Thomas E. Spalding, M. D.	City physician.
Middletown.	J. L. Hammer, M. D.	Health officer.
Mount Vernon.	J. H. Tallman, M. D.	Do.
New Rochelle.	*Edwin H. Coddington, M. D.	Do.
New York.	Royal S. Copeland, M. D.	President of the board of health.
Newburgh.	Thomas J. Burke, M. D.	Health officer.
Niagara Falls.	Walter A. Scott, M. D.	Do.
North Tonawanda.	*Thomas R. C. Barnard, M. D.	Do.
Ogdensburg.	John A. Johnson, M. D.	Do.
Oneida.	George W. Augustin, M. D.	Do.
Oneonta.	Robert Irvine, M. D.	Do.
Ossining.	J. E. Mansfield, M. D.	Do.
Oswego.	William J. Burns, M. D.	Do.
Oyster Bay.	E. D. M. Lyon, M. D.	Do.
Peekskill.	J. H. Lakocutie, M. D.	Do.
Plattsburg.	William J. Sheehan, M. D.	Do.
Port Chester.	*Helen L. Palliser, M. D.	Do.
Poughkeepsie.	Richard B. Gray, M. D.	Do.
Rensselaer.	*George W. Goler, M. D.	Do.
Rochester.	Charles R. Mahady, M. D.	Do.
Rome.	A. Sherman Downs, M. D.	Do.
Saratoga Springs.	Walter M. Clark, M. D.	Do.
Schenectady.	*David M. Totman, M. D.	Do.
Syracuse.	M. D. Dickinson, M. D.	Do.
Troy.		

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City.	Name of health officer.	Official title.
New York—Continued.		
Utica	Chas. N. Hichman, M. D.	Health officer.
Watertown	*Isaac W. Brewer, M. D.	Do.
Watervliet	George S. Haswell, M. D.	Do.
White Plains	Edward W. Weber, M. D.	Do.
Yonkers	C. W. Buckmaster, M. D.	Do.
North Carolina:		
Asheville	C. V. Reynolds, M. D.	Do.
Charlotte	*C. C. Hudson, M. D.	Do.
Durham	*A. Cheatham, M. D.	Superintendent of health.
Greensboro	*B. B. Williams, M. D.	City physician.
High Point	W. H. McAnalley, M. D.	Do.
Newbern	J. F. Rhem, M. D.	Do.
Raleigh	*Percy Ahrons, M. D. ¹	Superintendent of health.
Rocky Mount	*H. Lee Large, M. D.	Do.
Wilmington	*Charles E. Low, M. D. ²	Health officer.
Winston-Salem	*R. L. Carlton, M. D.	City health officer.
North Dakota:		
Fargo	A. W. Skelsey, M. D.	Do.
Grand Forks	W. O. Keefe, M. D.	Do.
Ohio:		
Akron	*C. T. Nesbitt, M.D.	Health officer.
Alliance	*Earl Musselman, M.D.	Do.
Ashtabula	A. W. Hopkins, M. D.	Do.
Barberton	William A. Mansfield, M. D.	Do.
Bellefontaine	W. C. Pay, M. D.	Do.
Bellaire	D. W. Boone, M. D.	Do.
Cambridge	O. F. Lowry, M. D.	Do.
Canton	Charles A. LaMont, M. D.	Do.
Chillicothe		
Cincinnati	*William H. Peters, M. D.	Do.
Cleveland	*Harry L. Rockwood, M. D.	Health commissioner.
Columbus	William S. Dick, M. D.	Health officer (acting).
Coshocton	Glen E. Smith, M. D.	Health officer.
Dayton	*A. O. Peters, M. D.	Commissioner of health.
East Cleveland	D. A. C. Taylor	Director of health.
East Liverpool	J. W. Chetwynd	Health officer.
Elyria	G. E. French, M. D.	Do.
Findlay	Amos Beardsey	Do.
Fostoria	*W. N. Caldwell	Do.
Fremont	E. L. Vermilyea, M. D.	Do.
Hamilton	M. F. Vereker, M. D.	Do.
Ironton	E. E. Wells, M. D.	Do.
Lakewood	W. J. Benner, M. D.	Do.
Lancaster	C. Morton Alfred, M. D.	Inspector of health.
Lima	E. G. Burton, M. D.	Health officer.
Lorain	Charles R. Meek, M. D.	Do.
Mansfield	Guy T. Goodman, M. D.	Do.
Marietta	F. S. McGee, M. D.	Do.
Martins Ferry	*C. M. Tobin	Do.
Massillon	*W. S. Cusick	Do.
Middletown	*T. Clarke Miller, M. D.	Do.
Mount Vernon	G. D. Lummiss, M. D.	Do.
New Philadelphia	H. W. Blair, M. D.	Do.
Newark	Joseph Bickensderfer, M. D.	Do.
Norwood	W. H. Knauss, M. D.	Do.
Piqua	Frank Perry, M. D.	Do.
Portsmouth	J. H. Lowe, M. D.	Do.
Sandusky	W. W. Smith, M. D.	Do.
Springfield	H. C. Schoepfle, M. D.	Director of public health.
Steubenville	*C. G. Augustus, M. D.	Do.
Tiffin	*Theodore W. Smith	Health officer.
Toledo	J. A. Gosling, M. D.	Do.
Warren	Chester W. Waggoner, M. D.	Commissioner of health.
Youngstown	George U. Simpson, M. D.	Health officer.
Zanesville	H. E. Welch, M. D.	Do.
Oklahoma:	George W. McCormick, M. D.	Superintendent of health.
Ardmore	Walter Hardy, M. D.	City and county physician.
Chickasha	E. L. Dawson, M. D.	City superintendent of health.
Enid	W. H. McKenzie, M. D.	Health officer.
Guthrie	E. O. Barker, M. D.	City physician.
Logan	C. S. Petty, M. D.	County superintendent of public health.
McAlester	W. C. Graves, M. D.	City health officer.
Muskegee	H. T. Ballantine	City superintendent of health.
Oklahoma City	J. T. Martin, M. D.	City physician and superintendent of health department.
Pottawatomie	J. H. Scott, M. D.	Health officer.
Sapulpa	Ben C. Harris, M. D.	City physician and superintendent of health.
Shawnee	J. H. Scott, M. D.	Health officer.
Tulsa	J. B. Gilbert, M. D.	Superintendent of health.

¹ Also health officer for Wake County. ² Also health officer for New Hanover County.

City.	Name of health officer.	Official title.
Oregon:		
Astoria.....	Nellie S. Vernon, M. D. ¹	County and city health officer.
Eugene.....	Seth M. Kerten, M. D.....	Do.
Medford.....	E. B. Pickel, M. D.....	City health officer.
Portland.....	*George Parrish, M. D.....	Do.
Salem.....	J. Ray Pemberton, M. D.....	Health officer and secretary of city board of health.
Pennsylvania:		
Allentown.....	J. Treichler Butz, M. D. ¹	Health officer.
Altoona.....	*I. B. Crilly.....	Health officer and bacteriologist.
Beaver Falls.....	Charles Mediev.....	Health officer.
Bethlehem.....	T. J. Butler, M. D.....	Do.
Braddock.....	*James E. Wills.....	Do.
Bradford.....	William Roedell.....	Do.
Bristol.....	*John M. Wright.....	Do.
Butler.....	*H. M. Stanley.....	Do.
Carbondale.....	*Daniel Jones.....	Sanitary officer.
Carlisle.....	*A. P. Lissman.....	Health officer.
Carnegie.....	*A. A. Tarter.....	Do.
Chambersburg.....	*Robert W. Walker.....	Do.
Charleroi.....	*W. M. Darby.....	Do.
Chester.....	*James MacIntyre.....	Do.
Coatesville.....	*G. R. Boyd.....	Do.
Columbia.....	Henry B. Clepper.....	Do.
Connellsburg.....	*George Hetzel.....	Sanitary police.
Dickson City.....	Joseph Kelly.....	Secretary board of health.
Dubois.....	James E. Ginter, M. D.....	City physician and health officer.
Dunmore.....	John P. Monahan.....	Secretary board of health.
Duquesne.....	*John Butler.....	Health officer.
Easton.....	James Condran, M. D.....	Do.
Edwardsburg.....	*William A. Thomas.....	Do.
Erie.....	*J. W. Wright, M. D.....	Do.
Farrell.....	G. J. Wetherstein.....	Secretary board of health.
Franklin.....	Charles H. Brown, M. D.....	Health officer.
Greensburg.....	*T. Ray Hunter.....	Do.
Harrisburg.....	John M. J. Raunick, M. D.....	Director.
Hazleton.....	*P. J. Bonner.....	Health officer.
Homestead.....	*James L. King.....	Do.
Johnstown.....	L. W. Jones, M. D.....	Do.
Lancaster.....	James H. Deen.....	Do.
Lansford.....	S. F. Druckenmiller, M. D.....	Secretary board of health.
Latrobe.....	*John E. Campbell.....	Health officer.
Lebanon.....	E. H. Gingrich, M. D.....	Do.
Lewistown.....	*George Joseph.....	Do.
McKees Rocks.....	James Clark.....	Do.
McKeesport.....	*Daniel Stratton.....	Do.
Mahanoy City.....	*Frank F. Reed.....	Do.
Meadville.....	*Harold M. Remington.....	Do.
Messersen.....	*B. H. Clandenan.....	Do.
Mt. Carmel.....	*Fred Gross.....	Do.
Nanticoke.....	*Thomas A. Butkiewicz, Jr.....	Health officer (acting).
New Castle.....	J. K. Pollock, M. D.....	Health officer.
Norristown.....	*Charles E. White.....	Do.
North Braddock.....	*Robert M. Sylves.....	Secretary board of health.
Oil City.....	*W. J. Lewis.....	Do.
Old Forge.....	W. J. G. Salmon, M. D.....	Director department of public health and charities.
Olyphant.....	J. J. Carbine.....	Health officer.
Philadelphia.....	*Wilmer Kruson, M. D.....	Director department of public health.
Phoenixville.....	Charles F. Fisher.....	Health officer.
Pittsburgh.....	*William H. Davis.....	Director department of public health.
Pittston.....	*Thomas F. Tracy.....	Health officer.
Plymouth.....	H. G. Templeton, M. D.....	Do.
Pottstown.....	*Clymer Missimer.....	Do.
Pottsville.....	*O. L. Kleckner.....	Do.
Punkatutawney.....	J. Frank Boney.....	Do.
Reading.....	*Charles Roland, M. D.....	Do.
Scranton.....	S. P. Longstreet, M. D.....	Director department of public health.
Shamokin.....	*A. Campbell.....	Health officer.
Sharon.....	*J. M. Cousnt.....	Do.
Shenandoah.....	B. P. Jones.....	Secretary board of health.
Steelton.....	E. G. Butler.....	Health officer.
Sunbury.....	Victor A. Kable.....	Do.
Tamaqua.....	*Henry B. Myers.....	Do.
Taylor.....	E. E. Edwards, M. D.....	Do.
Uniontown.....	*William C. Hall.....	City health officer.
Warren.....	*R. N. Brown.....	Health officer.
Washington.....	William B. Winter.....	Do.
West Chester.....	Joseph Scattergood, M. D.....	Secretary board of health.
Wilkes-Barre.....	G. A. Clark, M. D.....	City physician.

¹ Also health officer for Clatsop county.¹ Also medical inspector for Lehigh County.

July 4, 1915.

City.	Name of health officer.	Official title.
Pennsylvania—Continued.		
Wilkinsburg.....	W. W. Baker.....	Health officer.
Williamsport.....	C. E. Shaw, M. D.....	Do.
York.....	J. Frank Small, M. D.....	Medical adviser.
Rhode Island:		
Central Falls.....	Adolph R. V. Fenwick, M. D.....	Superintendent of health.
Cranston.....	Daniel S. Latham, M. D.....	Superintendent of health and city physician.
Cumberland:		
East Providence.....	Albert E. Barnes, M. D.....	City physician.
Lincoln.....	George F. Allison, M. D.....	Health officer.
Newport.....	H. A. Manchester, M. D.....	Do.
Pawtucket.....	*J. W. Sampson.....	Executive officer board of health.
Providence.....	Charles H. Holt, M. D.....	Superintendent of health.
Warwick.....	*Charles V. Chapin, M. D.....	Do.
West Warwick.....	*Ralph F. Lockwood, M. D.....	Health officer.
Woonsocket.....	John Deering McGuire, M. D.....	Do.
South Carolina:		
Anderson.....	Thomas J. McLaughlin, M. D.....	Do.
Charleston.....	*J. C. Mitchell, D. V. S.....	Commissioner of health.
Columbia.....	*J. Mercein Green, M. D.....	Health officer.
Greenville.....	*Clarence E. Smith, D. V. S.....	City health officer.
Spartanburg.....	*W. W. Richards, D. V. S.....	Commissioner of public health.
South Dakota:		
Aberdeen.....	*William O. Wrightson, M. D.....	Director of health.
Sioux Falls.....	Howard B. Warren.....	Health officer.
Tennessee:		
Chattanooga.....	W. E. Moore, M. D.....	City health officer.
Jackson.....	*Stanton H. Barrett, M. D.....	Director health and sanitation.
Johnson City.....	W. G. Saunders, M. D.....	City physician.
Knoxville.....	Elmore Estes, M. D.....	Do.
Memphis.....	William R. Cochrane, M. D.....	Director department of health.
Nashville.....	James L. Andrews, M. D.....	Superintendent.
Texas:		
Abilene.....	W. E. Hibbett, M. D.....	City health officer.
Amarillo.....	Lawrence W. Hollis, Jr., M. D. ¹	City and county health officer.
Austin.....	R. M. Walker, M. D.....	Health officer.
Beaumont.....	S. A. Woolsey, M. D.....	City health officer.
Brownsville.....	Ernest D. Mabry, M. D.....	Do.
Cleburne.....	E. E. Dickason, M. D.....	Do.
Corpus Christi.....	Mills Dennis, M. D.....	Do.
Corsicana.....	W. E. Wills, M. D.....	Physician.
Dallas.....	S. H. Burnett.....	City health officer.
Denison.....	*Leslie C. Frank.....	Director of public health.
El Paso.....	A. V. Rutledge, M. D.....	City health officer.
Fort Worth.....	Hugh S. White, M. D.....	Do.
Galveston.....	Webb Walker, M. D.....	Do.
Greenville.....	Henry P. Cooke, M. D.....	Health officer.
Houston.....	T. J. Milner, M. D.....	County health officer.
Laredo.....	*John M. Holt, M. D.....	Health officer.
Marshall.....	H. M. Austin, M. D.....	City health officer.
Palestine.....	Charles E. Heartsill, M. D.....	Do.
Paris.....	R. M. Dunn.....	Do.
San Angelo.....	J. C. White.....	Do.
San Antonio.....	A. C. DeLong, M. D.....	Do.
Sherman.....	W. A. King.....	Do.
Temple.....	W. D. Poo.....	Do.
Texarkana.....	T. F. Bunkley, M. D.....	Do.
Tyler.....	E. M. Watts, M. D.....	Do.
Waco.....	Albert Woldert, M. D.....	Do.
Wichita Falls.....	*J. Forsythe Rowe, M. D.....	Do.
Ogden.....	M. M. Walker, M. D.....	Health officer.
Utah:		
Provo.....	*George Shorten.....	Health inspector.
Salt Lake City.....	Walter Hasler, M. D.....	City physician.
Vermont:		
Barre.....	Samuel G. Paul, M. D.....	Health commissioner.
Burlington.....	O. G. Stickney, M. D.....	Health officer.
Rutland.....	*Charles A. Raoey, M. D.....	Do.
Virginia:		
Alexandria.....	George Rustedt, M. D.....	Do.
Danville.....	L. E. Foukkes, M. D.....	Do.
Lynchburg.....	*R. W. Garnett, M. D.....	Do.
Newport News.....	*Mosby G. Perrow.....	Do.
Norfolk.....	W. F. Cooper, M. D.....	Health commissioner.
Petersburg.....	*P. S. Schenck, M. D.....	Health officer.
Portsmouth.....	Robert A. Mertin, M. D.....	Do.
Richmond.....	*Fred T. Foard, assistant surgeon (reserve), U. S. P. H. S.....	Health officer (acting).
Roanoke.....	*P. M. Chichester, M. D.....	Health officer.
Staunton.....	*W. Brownley Foster, M. D.....	City health officer.

¹ Also health officer for Taylor County.

City.	Name of health officer.	Official title.
Washington:		
Aberdeen.....	W. W. Ballaine, M. D.....	City health officer.
Bellingham.....	John F. Beatty, M. D.....	D.o.
Everett.....	H. C. Watkins, M. D.....	Health officer.
Hoquiam.....	*H. M. Read, M. D.....	Commissioner of health.
Seattle.....	*Ralph Hendricks, M. D.....	Health officer.
Spokane.....	*Robert D. Wilson, M. D.....	Assistant commissioner of health.
Tacoma.....	J. M. P. Chalmers, M. D.....	City and county health officer.
Vancouver.....	M. Stiles, M. D.....	City health officer.
Walla Walla.....	*Benjamin S. Cerswell, M. D ¹	Health officer.
Yakima.....		
West Virginia:		
Bluefield.....	J. E. Martin, M. D.....	D.o.
Charleston.....	Richard T. Davis, M. D.....	Health commissioner.
Clarksburg.....	W. T. Goede, M. D.....	City physician and health officer.
Fairmont.....	H. L. Criss, M. D.....	City physician.
Huntington.....	A. J. Pickering, M. D.....	Health officer.
Martinsburg.....	A. Bruce Eagle, M. D.....	Health commissioner.
Morgantown.....	W. C. Kelly, M. D.....	Health officer.
Moundsville.....	J. K. Luikart, M. D.....	D.o.
Parkersburg.....	W. B. Richardson, M. D.....	City health officer.
Wheeling.....	M. B. Williams, M. D.....	Health commissioner.
Wisconsin:		
Appleton.....	H. E. Ellsworth, M. D.....	Health officer.
Ashland.....	George W. Harrison, M. D.....	Health commissioner.
Beloit.....		
Eau Claire.....	John T. Tarr, M. D.....	Health physician.
Fond du Lac.....	Frank M. McGauley, M. D.....	City physician and health officer.
Green Bay.....	F. J. Gosin, M. D.....	Commissioner of health.
Janesville.....	Fred B. Welch, M. D.....	City health officer.
Kenosha.....	*G. Windesheim, M. D.....	Commissioner of public health.
La Crosse.....	*Anthony M. Murphy.....	Health officer.
Madison.....	H. E. Purcell, M. D.....	D.o.
Manitowoc.....	J. E. Meany, M. D.....	Health commissioner.
Marinette.....	S. Berglund, M. D.....	Health officer.
Milwaukee.....	*George C. Ruhland, M. D.....	Commissioner of health.
Oshkosh.....	Bertha V. Thomson, M. D.....	D.o.
Racine.....	H. C. Reich, M. D.....	Health officer.
Sheboygan.....	P. G. McGill, M. D.....	Commissioner of public health.
Superior.....	*C. D. Partridge, M. D.....	Health commissioner.
Wausau.....		City health officer.
Wyoming:		
Cheyenne.....	W. A. Wyman, M. D.....	County health officer.
Sheridan.....	F. A. Hodson, M. D.....	D.o.

¹ Also health officer for Clarke County.² Also deputy county health officer for Yakima County.

July 4, 1919.

COURT DECISIONS RELATING TO VENEREAL DISEASES.

California Court Decides That Local Health Department Has Right To Quarantine Infected Persons.

The right of a local health department to quarantine a person having a venereal disease is upheld by the Second District Court of Appeal of California.¹

A woman was arrested without a warrant but she submitted to an examination. She was found to be infected with gonorrhea and was confined in a hospital for treatment. In refusing to grant a writ of habeas corpus the court held that under the law the health department had the right to isolate such person to prevent the spread of disease. The court said:

* * * In the absence of any showing to the contrary, we must, upon the evidence before us, assume that petitioner was, when subjected to quarantine regulations, and is now, afflicted with and suffering from gonococcus infection, which, by section 2979a, Political Code (Stats. 1917, p. 171), is, with leprosy, smallpox, typhus fever, and a number of other diseases, declared to be contagious and infectious. The sole question thus presented is the right of proper authorities to isolate and place her in quarantine. By the section of the code just cited it is made the duty of the health officer, knowing of the existence of any such contagious or infectious disease, to take such measures as may be necessary to prevent the spread thereof. The isolation of one afflicted with a contagious or infectious disease is a reasonable and proper, indeed the usual, measure taken to prevent the increase and spread thereof. * * * Nor can her arrest without a warrant, after which, and while being illegally held, an examination was made with her consent which disclosed the existence of the infection, avail her in this proceeding. Assuming the action of the police officer arbitrary and unjustified, she is not restrained of her liberty by reason thereof, but on account of a disease with which she was subsequently found to be afflicted, and in the ascertainment of which fact there appears to have been no arbitrary or unlawful action taken.

Right of Person Quarantined To Have Legality of Detention Inquired Into.

It has been decided² by the Court of Criminal Appeals of Texas that a person arrested and held in quarantine by order of a health officer on the charge of being infected with a venereal disease can have the legality of his detention inquired into by the courts through habeas corpus proceedings.

A woman was arrested under a warrant issued by the health officer of San Antonio and detained without a preliminary hearing. The court held that this could be done but that the order of the health officer holding her in quarantine was not final and that she could not be denied the right to prove the nonexistence of the facts upon which her detention was based. Portions of the opinion follow:

* * * The legislature, under the police power, has authority to authorize the establishment of quarantine regulations for the protection of the public against contagion from those persons whose condition is such as to spread disease, and, incident

¹ Ex parte Johnston, 189 Pac. 644

² Ex parte Hardcastle, 208 S. W. 531.

thereto, to authorize the arrest and detention of such persons, and such, we understand, is the purpose of the statute in question. Under its terms, the proper health officer may issue a warrant by virtue of which a lawful arrest may be made without preliminary thereto affording the person affected a hearing; but if, after arrest, such person challenges the right of the authorities to continue the detention, the fundamental law accords him the right to have the legality of his detention inquired into by a proper court in a habeas corpus proceeding. The law denies to no one restrained of his liberty without a hearing the right to prove in some tribunal that the facts justifying his restraint do not exist. (Ruling Case Law, vol. 6, p. 435, sec. 449.) The health authorities causing the arrest of relator derive their power to do so from the alleged existence of the fact that the relator is affected with the disease mentioned, and that her detention is required in the public interest to prevent contagion. If those facts do not exist, the officer has no jurisdiction to continue the restraint and the court in the habeas corpus proceeding has authority to inquire whether the facts essential to jurisdiction exist. (Ex. parte Degener, 30 Tex. App. 566, 17 S. W. 1111.) * * * Our statute does not declare that the initial order of arrest shall be conclusive; nor does it designate any tribunal to whom one detained under an order of arrest issued by the health officer may appeal for a hearing. The fair and reasonable interpretation of the statute under which relator is held, we think, is that which accords the health officer the power to order the arrest and detention, leaving to the person detained the right to invoke the decision of the established judicial tribunals of the State on questions raised, either of fact or law, involving the validity of the detention. We conclude that under the act of the legislature in question the relator had the right to a hearing on a writ of habeas corpus, and therein to prove the nonexistence of the facts necessary to authorize her continued detention and thereby obtain release.

CHANGE IN FIELD HEADQUARTERS OF MALARIA INVESTIGATION.

For the information of the local health authorities throughout the southern States it is noted that the field headquarters of the Malaria Investigation have been transferred from New Orleans, La., to Memphis, Tenn., and are temporarily located in room 17 of the Court House Building at that place.

DEATHS DURING WEEK ENDING JUNE 21, 1919, IN CITIES.

The table following shows the registered deaths from all causes and from pneumonia (all forms) and influenza combined in certain large cities of the United States during the week ended June 21, 1919.

The data are taken from the "Weekly Health Index," June 24, 1919, issued by the Bureau of the Census, Department of Commerce.

DEATH RATE - DETROIT.

1900	16.3
1901	15.3
1902	15.6
1903	15.8
1904	14.4
1905	13.8
1906	15.7
1907	14.9
1908	13.7
1909	14.0
1910	15.9
1911	14.4
1912	15.5
1913	17.3
1914	15.6
1915	15.7
1916	19.0
1917	20.0
1918	21.3

RIGHTS - STAR ITALIC

1.81 1001

2.21 1001

2.21 5001

2.21 6001

2.41 4001

2.81 2001

2.21 2001

2.41 3001

2.21 8001

2.21 6001

2.21 9001

2.41 1101

2.21 3001

2.21 3101

2.21 4001

2.21 2101

2.21 2001

2.21 1001

2.21 1101

July 4, 1919.

Registered deaths and annual death rates per 1,000 population in certain large cities of the United States, week ended June 21, 1919—Deaths from all causes, and from pneumonia (all forms) and influenza combined.

City.	Population July 1, 1918, estimated.	Total deaths, all causes.	Annual death rate per 1,000.	Annual death rate for preceding years. ¹	Influenza and pneu- monia (all forms).	
					Number of deaths.	Annual death rate per 1,000.
Albany, N. Y.	112,565	39	18.1	C.	13.4	
Atlanta, Ga.	201,732	51	13.2	C.	17.1	
Baltimore, Md.	669,981	172	13.4	A.	14.8	
Birmingham, Ala.	197,670	67	17.7	A.	19.1	
Boston, Mass.	785,245	167	11.1	A.	15.2	7 .5
Buffalo, N. Y.	473,229	107	11.8	C.	14.9	
Cambridge, Mass.	111,432	23	10.8	A.	10.6	
Chicago, Ill.	2,596,681	560	11.2	A.	13.3	38 .3
Cincinnati, Ohio	418,022	95	11.9	C.	14.8	
Cleveland, Ohio	810,306	151	9.7	C.	8.4	12 .8
Columbus, Ohio	225,296	60	13.9	C.	9.3	
Dayton, Ohio	130,655	26	10.4	C.	14.8	1 .4
Denver, Colo.		50				
Fall River, Mass.	128,392	23	9.3	C.	5.7	2 .8
Grand Rapids, Mich.	135,450	30	11.5	C.	9.6	
Indianapolis, Ind.	290,389	71	12.7	C.	14.0	
Jersey City, N. J.	318,770	58	9.5	C.	12.6	
Los Angeles, Calif.	568,495	121	11.1	A.	13.9	
Louisville, Ky.	242,707	64	13.7	C.	14.0	1 .2
Lowell, Mass.	109,081	24	11.5	A.	14.2	
Memphis, Tenn.	154,750	54	18.2	C.	17.9	6 2.0
Milwaukee, Wis.	453,481	80	9.2	A.	10.1	
Minneapolis, Minn.	383,442	80	10.9	C.	9.5	
Nashville, Tenn.	119,215	40	17.5	C.	24.1	
Newark, N. J.	428,684	77	9.4	C.	9.7	
New Haven, Conn.	154,865	28	9.4	C.	11.8	
New Orleans, La.	382,273	122	16.6	A.	17.3	
New York, N. Y.	5,215,879	1,048	10.5	C.	11.5	
Oakland, Calif.	214,206	43	10.5	A.	9.9	
Omaha, Nebr.	180,264	19	5.5	C.	11.9	
Philadelphia, Pa.	1,761,371	370	11.0		12.8	
Pittsburgh, Pa.	593,303	127	11.2	C.	14.5	10 .9
Portland, Ore.		65				
Providence, R. I.	263,613	46	9.1	C.	9.7	3 .6
Richmond, Va.	160,719	54	17.5	C.	18.5	3 1.0
Rochester, N. Y.	264,856	58	11.4	C.	10.6	
St. Louis, Mo.	779,951	170	11.4	C.	12.0	14 .9
St. Paul, Minn.	257,699	48	9.7	C.	9.7	
San Francisco, Calif.	478,530	133	14.5	C.	15.7	14 1.5
Seattle, Wash.		50				
Spokane, Wash.		13				
Syracuse, N. Y.	161,404	39	12.6	C.	13.6	
Toledo, Ohio	262,234	59	11.7	A.	13.4	4 .8
Washington, D. C.	401,681	96	12.5	A.	16.8	3 .4
Worcester, Mass.	173,650	39	11.7	C.	13.2	

¹ "A" indicates that the rate given is the average annual death rate per 1,000 population for the corresponding week of the years 1913 to 1917, inclusive. "C" indicates that the rate is the annual death rate per 1,000 population for the corresponding week of 1918.

* Population estimated as of July 1, 1919.

² Rate is based on statistics of 1915, 1916, and 1917.

Summary of information received by telegraph from industrial insurance companies for week ended June 21, 1919.

Policies in force.....	39,377,583
Number of deaths.....	7,315
Number of deaths per 1,000 policies in force, annual rate.....	9.7

PREVALENCE OF DISEASE.

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.

UNITED STATES.

EXTRA-CANTONMENT ZONES—CASES REPORTED WEEK ENDED JUNE 28.

CAMP DIX ZONE, N. J.		GULFPORT HEALTH DISTRICT, MISS.—contd.	
	Cases.		Cases.
No cases of communicable diseases reported.		Hookworm:	
FAYETTEVILLE SANITARY DISTRICT, N. C.		Saucier.....	1
Gonorrhea.....	6	Biloxi.....	4
Syphilis.....	3	Fenton.....	1
Tuberculosis, pulmonary.....	1	Gulfport.....	5
Typhoid fever.....	2	Handsboro.....	1
GAS AND FLAME SCHOOL ZONE, GA. AND ALA.		Kilm.....	1
Columbus:		Kreole.....	1
Gonorrhea.....	4	Logtown.....	2
Malaria.....	3	Lyman.....	1
Measles.....	3	Moss Point.....	5
Syphilis.....	3	Pascagoula.....	4
Tuberculosis.....	1	Pass Christian.....	2
Typhoid fever.....	2	Measles:	
Whooping cough.....	3	Moss Point.....	1
Glazard:		Pascagoula.....	2
Syphilis.....	1	Mumps:	
Muscogee County:		Biloxi.....	1
Malaria.....	3	Gulfport.....	1
Measles.....	1	Handsboro.....	1
Syphilis.....	2	Long Beach.....	1
Typhoid fever.....	2	Moss Point.....	1
CAMP GORDON ZONE, GA.		Pneumonia:	
Atlanta:		Gulf.port.....	1
Gonorrhea.....	8	Syphilis:	
Influenza.....	1	Gulfport.....	1
Malaria.....	1	Lyman.....	1
Measles.....	1	Whooping cough:	
Scarlet fever.....	2	Gulfport.....	5
Smallpox.....	8	PICRIC ACID PLANT ZONE, GA.	
Syphilis.....	8	Brunswick:	
Tuberculosis.....	1	Gonorrhena.....	1
Typhoid fever.....	2	Syphilis.....	4
GULFPORT HEALTH DISTRICT, MISS.		Tuberculosis.....	2
Chicken pox:		Typhoid fever.....	2
Lyman.....	1	CAMP PIKE ZONE, ARK.	
Dysentery:		Little Rock:	
Caesar.....	1	Chicken pox.....	1
Kilm.....	2	Gonorrhena.....	5
Gonorrhea:		Malaria.....	6
Biloxi.....	1	Mumps.....	1
Gulfport.....	2	Smallpox.....	1
Kilm.....	1	Syphilis.....	9
		Tuberculosis.....	4
		Typhoid fever.....	3

July 4, 1919.

CAMP PIKE ZONE, ARK.—continued.		PORTSMOUTH AND NORFOLK COUNTY HEALTH DISTRICT, VA.	
	Cases.		Cases.
North Little Rock:		Typhoid fever:	
Diphtheria.....	2	Norfolk County.....	2
Malaria.....	1	Portsmouth.....	1
Mumps.....	1		
Syphilis.....	1		
CAMP POLK ZONE, N. C.		CAMP SHERMAN ZONE, OHIO.	
Diphtheria:		No cases of communicable diseases reported.	
Panther Branch Township.....	1		
Gonorrhea:		SOUTHER FIELD ZONE, GA.	
Cary Township.....	1	No cases of communicable diseases reported.	
Durham.....	4		
Raleigh.....	1	CAMP UPTON ZONE, N. Y.	
Measles:			
Raleigh.....	3	Brook Haven:	
Mumps:		Diphtheria.....	1
Raleigh.....	1	Patchogue:	
Smallpox:		Gonorrhea.....	1
Durham.....	1		
Raleigh.....	1	WILMINGTON SANITARY DISTRICT, N. C.	
Syphilis:		Castle-Hayne:	
Raleigh.....	3	Typhoid fever.....	2
Tuberculosis:		Masonboro, rural:	
Durham.....	1	Tuberculosis.....	1
Raleigh.....	2	Sunset Park:	
Typhoid fever:		Mumps.....	2
Durham.....	2	Wilmington:	
Raleigh.....	1	Gonorrhea.....	8
Middle Creek Township.....	1	Influenza.....	1
Swift Creek Township.....	1	Malaria.....	3
Whooping cough:		Measles.....	1
Durham.....	9	Mumps.....	1
Orange Factory Township.....	5	Pellagra.....	1
Raleigh.....	1	Pneumonia.....	1
Cedar Fork Township.....	1	Syphilis.....	3
		Tuberculosis.....	2
		Whooping cough.....	10

DISEASE CONDITIONS AMONG TROOPS IN THE UNITED STATES.

The following data are taken from telegraphic reports received in the office of the Surgeon General of the United States Army for the week ended June 20, 1919. Reports from the American Expeditionary Forces are delayed in transmission, and the "current week" for troops in the American Expeditionary Forces is not the same period as "current week" for troops in the United States.

	Current week.	Last week.
Annual admission rate per 1,000 (all causes).....	704.41	645.20
All troops in United States.....	1,324.84	1,284.52
American Expeditionary Forces.....	357.07	310.45
Annual admission rate per 1,000 (disease only).....	620.14	555.36
All troops in United States.....	1,170.60	1,091.26
American Expeditionary Forces.....	311.98	274.76
Noneffective per 1,000 on day of report.....	35.25	31.09
All troops in United States ¹	56.58	52.53
American Expeditionary Forces.....	23.34	19.86
Annual death rate per 1,000 (all causes).....	8.88	7.69
All troops in United States ¹	10.93	11.80
American Expeditionary Forces.....	7.74	5.54
Annual death rate per 1,000 (disease only).....	4.73	5.23
All troops in United States ¹	9.32	9.86
American Expeditionary Forces.....	2.16	2.81

¹ Sick and death rates among troops in the United States will continue to be relatively high, as the numerical strength of troops in the United States continues to decline from week to week as a result of demobilization. Well men only are eligible for discharge, while the sick and otherwise disabled are retained in service for further treatment. The continued influx of sick and wounded (properly chargeable to commands overseas) is another factor tending to increase rates in the United States and to diminish correspondingly similar rates overseas.

Cases of special diseases reported during the week ended June 20, 1919.

Camp.	Venereal diseases.				Annual admission rate per 1,000 (disease only).	Noneffective per 1,000 on day of report.					
	Pneumonia.	Dysentery.	Malaria.	Total.	New Infections.	Influenza.	Measles.	Meningitis.	Scarlet fever.		
Benning.....				11	2					828.13	21.23
Bowie.....	1		1	23	1					618.25	26.02
Bragg.....										160.00	9.23
Custer.....				7	6					1,085.74	57.75
Devens.....				9						272.16	45.87
Dix.....				19						1,265.06	113.12
Dodge.....				7	5					483.21	103.06
Funston.....				6						809.76	87.96
Gordon.....	1			17						737.07	37.24
Grant.....	1			48						1,089.00	73.13
Holabird.....				1	1					790.87	
Humphreys.....				4	1					678.40	39.13
Jackson.....			3	16						740.69	48.26
Kearny.....				4	1					723.47	206.08
Henry Knox.....				7						118.41	4.77
Lee.....				21	11					754.55	75.01
Lewis.....				10	7					946.91	121.29
Meade.....	1			27	4					1,177.91	89.10
Pike ¹				13	7		4	1		984.10	104.71
Shelby.....				6						560.00	32.00
Sherman.....				22			5			1,239.72	94.70
Taylor.....				11	5					501.25	84.77
Travis.....		1		3	3					1,089.00	62.47
Upton.....	3			10	3			2		1,370.97	101.86
Northeastern Department.....				1	1					273.58	30.81
Eastern Department.....				4	1					335.91	17.36
Southeastern Department.....				7	3					757.28	27.30
Central Department.....				7						343.58	21.60
Southern Department.....	1			53	16	8				747.55	69.05
Western Department.....				14	6					524.49	11.41
Aviation Camps.....	1			34						818.02	45.80
Port of embarkation:											
Hoboken.....	8			25		3				5,713.52	139.73
Newport News.....	5			77	14	19				1,202.59	50.04
Fort Monroe.....				3						606.80	23.33
Fort D. A. Russell, Alcatraz, disciplinary barracks.....				3	3					1,087.10	60.10
Leavenworth, disciplinary barracks.....	1			11						496.81	22.29
Columbus Barracks.....				7	6		1			852.79	44.50
Jefferson Barracks.....				8	5					1,123.69	29.80
Fort Logan.....				4		2				1,813.65	158.94
Fort McDowell.....				9						1,744.51	42.58
Fort Sill.....				6	6					1,077.71	35.23
Fort Slocum.....				2			1			773.85	27.13
Fort Thomas.....				4	4					979.76	30.70
West Point.....										1,664.53	46.09
Arsenals.....					1					866.66	16.02
Miscellaneous small stations.....		1	2	2						2,487.53	61.57
Total.....	27	2	5	584	127	37	9			499.40	31.51
										1,170.60	56.58

¹ One case of typhoid fever reported from Camp Pike.

July 4, 1919.

Number of deaths at large camps in United States week ended June 20, 1919.

Camp.	Strength.	Deaths.		Camp.	Strength.	Deaths.	
		All causes.	Disease only.			All causes.	Disease only.
Benning	1,807			Sherman	7,592	1	1
Bowie	6,224			Taylor	7,573	2	1
Bragg	650			Travis	2,865		
Custer	2,251			Upton	7,510		
Devens	9,744			Northeastern Department	9,661	2	2
Dix	9,143	1	1	Eastern Department	9,443		
Dodge	4,735			Southeastern Department			
Funston	2,376			Central Department	3,296	1	1
Gordon	3,508			Southern Department	3,935		
Grant	6,112			Western Department	30,050	8	3
Holabird	526			Aviation camps	9,022	2	2
Humphreys	1,533			Port of embarkation:	14,433	2	2
Jackson	7,231			Hoboken	32,909	8	8
Kearny	1,150	1	1	Newport News	21,629	3	3
Henry Knox	9,222			All others	70,833	35	31
Lee	7,305			Total	323,267	68	58
Lewis	3,240	2	2				
Meade	6,666						
Pike	3,963						
Shelby	3,250						

Annual admission rate per 1,000 for certain diseases.

Disease.	Troops in United States.		American Expeditionary Forces.	
	Current week.	Last week.	Current week.	Last week.
Pneumonia	4.34	5.82	5.04	4.52
Dysentery	.32	.14	.63	.15
Malaria	.80	1.19	.54	.39
Venereal	93.93	81.75	60.40	57.48
Paratyphoid				.07
Typhoid	.16	.59	.09	
Measles	1.45	2.09	.54	1.56
Meningitis		.29	.45	.54
Scarlet fever		.44	.09	.33
Influenza	5.95	14.34		

CURRENT STATE SUMMARIES.¹

Telegraphic Reports for the Week Ended June 28, 1919.

ALABAMA.

No outbreak or unusual prevalence.

CONNECTICUT.

Cerebrospinal meningitis: Cases
New Britain..... 1

DELAWARE.

Chancroid: State..... 5
Chicken pox: State..... 2
Diphtheria: Delaware City..... 2
Georgetown..... 1
Laurel..... 1
Wilmington..... 1

DELAWARE—continued.

Gonorrhea: State..... 16
Mumps: State..... 1
Scarlet fever: Wilmington..... 1
Smallpox: Fairmount..... 1
Syphilis: State..... 1
Pneumonia: State..... 1
Tuberculosis: Wilmington..... 1
Wilmington..... 1
Wyoming..... 1
Wilmington..... 1¹ These telegraphic reports are preliminary, and are subject to change when later returns are received by the State health officers.

FLORIDA.		Cases.	INDIANA—continued.	
-State:			State.....	Cases.....
Diphtheria.....		1	Gonorrhea:	
Malaria.....		20	State.....	23
Scarlet fever.....		1	Rabies:	
Smallpox.....		2	Plainfield.....	1
Typhoid fever.....		7	Monticello.....	1
GEORGIA.			New Market.....	1
State:			Scarlet fever:	
Chicken pox.....		8	Prevalent in Allen County.	
Conjunctivitis (acute infections).....		2	Smallpox:	
Diphtheria.....		4	Prevalent in—	
Dysentery (amebic).....		9	Elkhart County.	
Dysentery (bacillary).....		29	Franklin County.	
Gonorrhea.....		107	Allen County.	
Hookworm.....		15	Wells County.	
Influenza.....		2	Laporte County.	
Malaria.....		109	Jay County.	
Measles.....		6	Syphilis:	
Mumps.....		26	State.....	26
Paratyphoid fever.....		1	Typhoid fever:	
Pneumonia (acute lobar).....		9	Parke County.....	1
Scarlet fever.....		7	IOWA.	
Septic sore throat.....		8	Chancroid:	
Smallpox.....		27	Cedar Rapids.....	1
Syphilis.....		57	Sioux City.....	2
Tetanus.....		1	Chicken pox:	
Trachoma.....		6	Davenport.....	3
Tuberculosis (pulmonary).....		11	Diphtheria:	
Typhoid fever.....		75	Burlington.....	1
Whooping cough.....		25	Davenport.....	1
ILLINOIS.			Dubuque.....	2
Diphtheria:			Fort Dodge.....	1
Aurora.....		4	Lamoni.....	1
Chicago.....		70	Gonorrhea:	
State—scattered.....		13	Albia.....	1
Gonorrhea:			Boone.....	3
State.....		213	Calumet.....	1
Meningitis:			Camp Dodge.....	1
Chicago.....		2	Cedar Rapids.....	7
Park Ridge.....		1	Council Bluffs.....	4
Rock Island.....		1	Cylinder.....	1
Poliomyelitis:			Davenport.....	5
Standard.....		4	Decorah.....	1
Chicago.....		1	Des Moines.....	7
Scarlet fever:			Dubuque.....	2
Chicago.....		28	Emmetsburg.....	2
State—scattered.....		8	Garner.....	1
Smallpox:			Holstein.....	1
Anna.....		37	Larrabee.....	1
Sullivan.....		6	Marble Rock.....	1
Rock Island.....		5	Marshalltown.....	1
Tazewell County—Groveland Township.....		5	Newhall.....	1
McLeansboro.....		3	Norway.....	1
Saline County—Brushy Township.....		3	Remsen.....	1
State—scattered.....		23	Rockwell City.....	1
Syphilis:			Shenandoah.....	1
State.....		63	Sioux City.....	22
INDIANA.			Scarlet fever:	
Chancroid:			Des Moines.....	1
State.....		2	Jasper County.....	4
Diphtheria:			Poweshiek County.....	1
Adams County.....		1	Smallpox:	
Fulton County.....		1	Bangor.....	1
Grant County.....		1	Boone.....	2
Noble County.....		1	Cedar Rapids.....	5
Wayne County.....		1	Coalville.....	1
Allen County.....		4	Davenport.....	6
Montgomery County.....		1	Des Moines.....	4

July 4, 1919.

IOWA—continued.

Smallpox—Continued.	
Fort Dodge.....	2
Mason City.....	2
New London.....	1
Onawa.....	1
Ottumwa.....	1
Buena Vista County.....	1
Jasper County.....	1
Mitchell County.....	1
O'Brien County.....	2
Shelby County.....	2
Syphilis:	
Decorah.....	1
Des Moines.....	1
Dubuque.....	2
Sioux City.....	1

KANSAS.

State:	
Diphtheria.....	17
Influenza.....	4
Scarlet fever.....	10
Smallpox.....	122

LOUISIANA.

State:	
Anthrax.....	1
Chancroid.....	18
Diphtheria.....	9
Gonorrhea.....	108
Pellagra.....	17
Smallpox.....	18
Syphilis.....	72
Typhoid fever.....	45

MAINE.

Chicken pox:	
Portland.....	11
Sanford.....	1
Diphtheria:	
Brunswick.....	1
Friendship.....	1
Boothbay.....	1
Limerick.....	1
Oldtown.....	1
Wales.....	1
Belgrade.....	1
Gonorrhea:	
State.....	28
Mumps:	
Seaford.....	3
Portland.....	4
Greenville.....	5
Scarlet fever:	
Farmington.....	1
Bath.....	3
Brunswick.....	1
Portland.....	6
Boothbay.....	12
Smallpox:	
Bath.....	1
Van Buren.....	1
Topsham.....	1
Portland.....	1
Syphilis:	
State.....	9
Tuberculosis:	
State.....	17

MAINE—continued.

Typhoid fever:	
Portland.....	1
Winter Harbor.....	1
Whooping cough:	
Freeport.....	4

MASSACHUSETTS.

Measles:	
Unusual prevalence—	
Fall River.....	24
Millbury.....	22
Whooping cough:	
Pittsfield.....	19

MINNESOTA.

Cerebrospinal meningitis:	
State.....	1

Gonorrhea:	
State.....	108

Poliomyelitis:	
State.....	1

Smallpox (new foci):	
Dexter County, Green Valley Township...	1
Crow Wing County, Crosby Village.....	1
Dakota County, Farmington Village.....	1
Mahnomen County, Chief Township.....	1
Polk County, Lowell Township.....	1

Syphilis:	
State.....	60

NEW JERSEY.

Diphtheria:	
Outbreak in Children's Home, Parsippany.	

Influenza:	
State.....	88

Pneumonia:	
State.....	25

Smallpox:	
Burlington County, Willingboro Township.	
Monmouth County, Asbury Park.	

Typhoid fever:	
Prevalent in Morris County, Morristown.	

NEW YORK.

[Exclusive of New York City.]

Cerebrospinal meningitis:	
Poughkeepsie.....	1

Granville Village.....	
	1

Diphtheria:	
State.....	152

Gonorrhea:	
State (voluntary reports).....	50

Measles:	
State.....	337

Poliomylitis:	
Utica.....	1

Pneumonia:	
State.....	16

Scarlet fever:	
State.....	86

Syphilis:	
State (voluntary reports).....	171

Typhoid fever:	
State.....	24

Whooping cough:	
State.....	45

NORTH CAROLINA.		Cases.	WASHINGTON—continued.	
State:			Whooping cough:	Cases.
Balanitis.....	1		Tacoma.....	15
Chancroid.....	6		Puyallup.....	2
Chancroid and gonorrhea.....	2		Mount Vernon.....	1
Chicken pox.....	6			
Cholera infantum.....	7			
Diphtheria.....	12			
Dysentery (bacillary).....	5			
Gonorrhea.....	90			
Gonorrhea and syphilis.....	1			
Measles.....	86			
Menigitis, epidemic.....	1			
Ophthalmia neonatorum.....	1			
Pneumonia (broncho).....	6			
Pneumonia (lobar).....	4			
Septic sore throat.....	1			
Smallpox.....	36			
Syphilis.....	34			
Typhoid fever.....	116			
Whooping cough.....	137			
OHIO.			WEST VIRGINIA.	
Diphtheria:			Diphtheria:	
Cincinnati.....	7		Huntington.....	3
Youngstown.....	5		Montgomery.....	1
Scarlet fever:			Measles:	
Hamilton County—Green Township.....	8		Beckley.....	1
Cincinnati.....	21		Bluefield.....	1
Smallpox:			Charleston.....	2
Toledo.....	33		Charlestown.....	6
Avon.....	8		Clarksburg.....	1
Youngstown.....	7		Hinton.....	3
Typhoid fever:			Huntington.....	1
Ironton.....	4		Mannington.....	9
VERMONT.			Martinsburg.....	1
No unusual prevalence or outbreak.			Morgantown.....	2
VIRGINIA.			Moundsville.....	1
Smallpox:			Weston.....	7
Surry County.....	7		Meningitis:	
James City County.....	1		Bluefield.....	1
WASHINGTON.			Huntington.....	2
Scarlet fever:			Scarlet fever:	
Tacoma.....	2		Buckhannon.....	1
Spokane.....	17		Charleston.....	1
Everett.....	2		Fairmont.....	1
Steilacoom.....	2		Huntington.....	3
Chelan.....	1		Martinsburg.....	3
King County.....	8		Parkersburg.....	5
Clarke County.....	3		Princeton.....	1
			Sistersville.....	1
			Wellsburg.....	2
			Wheeling.....	1
			Smallpox:	
			Beckley.....	2
			Clarkesburg.....	1
			Grafton.....	1
			Hinton.....	10
			Princeton.....	1
			Typhoid fever:	
			Charleston.....	4
			Clarksburg.....	1
			Fairmont.....	2
			Huntington.....	1
			Weston.....	5
			Wheeling.....	3

July 4, 1919.

SUMMARY OF CASES REPORTED MONTHLY BY STATES.

Tables showing by counties the reported cases of cerebrospinal meningitis, malaria, pellagra, poliomyelitis, smallpox, and typhoid fever are published under the names of these diseases. (See names of these and other diseases in the table of contents.)

This issue of the Public Health Reports contains the monthly State reports which were received during one week only. Reports from other States appear each week as received.

State.	Cerebro-spinal meningitis.	Diphtheria.	Malaria.	Measles.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
May, 1919:									
California.....	11	151	25	94	3	1	144	123	52
Iowa.....	1	72					120	279	.....
Kansas.....	6	93		92	4	1	218	258	25
Mississippi.....	7	45	7,740	306	626	1	38	429	186
North Carolina.....	7	71		1,072		2	37	344	110
North Dakota.....		10		137			72	13	2
Ohio.....	10	282		2,255		2	615	562	59
Oklahoma.....	2	9		21	19	1	8	282	26
Oregon.....	1	17		37			109	217	7
Pennsylvania.....	21	1,092		7,730		3	1,117	31	174
South Carolina.....	3	52	75	32	35	1	2	55	58
South Dakota.....		46		12			71	103	4
Virginia.....	11	98	367	802	28	2	139	286	79
Washington.....	1	66		346		1	319	499	20
Wyoming.....		3		49			7	45	2

ANTHRAX.**California and Ohio Reports for May, 1919.**

During May three cases of anthrax were reported in California and one case was reported in Ohio.

CEREBROSPINAL MENINGITIS.**State Reports for May, 1919.**

Place.	New cases reported.	Place	New cases reported.
California:			
Contra Costa County— Concord.....	2	Mississippi—Continued.	
Kern County.....	1	Panola County.....	2
Los Angeles County.....	1	Warren County.....	1
Los Angeles.....	2	Total.....	7
Merced County.....	2		
San Francisco.....	2		
Tulare County.....	1		
Total.....	11		
Iowa:			
Marshall County.....	1		
Kansas:			
Anderson County— Colony.....	1	Ohio:	
Jewell County— Mankato.....	1	Columbiana County.....	1
Leavenworth County— Leavenworth.....	1	Cuyahoga County.....	2
Shawnee County— Topeka.....	1	Fairfield County.....	1
Wyandotte County— Kansas City.....	2	Guernsey County.....	1
Total.....	6	Hamilton County.....	1
Mississippi:			
Carroll County.....	1	Medina County.....	1
De Soto County.....	1	Paulding County.....	1
Leflore County.....	1	Stark County.....	1
Monroe County.....	3	Summit County.....	1
Total.....	6	Total.....	10
Oklahoma:			
Canadian County.....		Canadian County.....	1
Haskell County.....		Haskell County.....	1
Total.....		Total.....	2

CEREBROSPINAL MENINGITIS—Continued.

State Reports for May, 1919—Continued.

Place.	New cases reported.	Place.	New cases reported.
Oregon:		Virginia:	
Portland.....	1	Hanover County.....	1
		James City County.....	1
Pennsylvania:		Lee County.....	1
Allegheny County.....	2	Keokee.....	1
Berks County.....	1	Madison County.....	1
Fayette County.....	1	Roanoke County.....	1
Lancaster County.....	1	Rockingham County—	
Luzerne County.....	3	Harrisonburg.....	1
Mercer County.....	1	Scott County.....	1
Northumberland County.....	1	Warwick County—	
Philadelphia County.....	9	Newport News.....	1
York County.....	2	Washington County.....	1
Total.....	21	York County.....	1
		Total.....	11
South Carolina:		Washington:	
Charleston County.....	2	King County.....	1
Greenville County.....	1		
Total.....	3		

City Reports for Week Ended June 14, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Beatrice, Nebr.....		1	Melrose, Mass.....	1	
Boston, Mass.....	3	3	New York, N. Y.....	9	4
Chicago, Ill.....	1		Orange, N. J.....	1	1
Cincinnati, Ohio.....	1	1	Philadelphia, Pa.....	1	
Cleveland, Ohio.....		1	Pontiac, Mich.....	1	
Detroit, Mich.....	1		Portland, Oreg.....	1	1
Duluth, Minn.....		1	Rochester, N. Y.....	1	
Little Rock, Ark.....	1		St. Louis, Mo.....	1	1
Lowell, Mass.....	1	1	Worcester, Mass.....		

GONORRHEA.

Cases Reported in Extra-Cantonment Zones, Week Ended June 28, 1919.

Cases.	Cases.
Fayetteville sanitary district, N. C.....	6
Gas and flame school zone, Ga. and Ala.....	4
Camp Gordon zone, Ga.....	8
Gulfport health district, Miss.....	4
Picric acid plant zone, Ga.....	1
Camp Pike zone, Ark.....	5
Camp Polk zone, N. C.....	6
Camp Upton zone, N. Y.....	1
Wilmington sanitary district, N. C.....	8

LEPROSY.

Baltimore, Md., El Centro, Los Angeles, Monte Rio, and San Francisco, Calif.

One case of leprosy was reported in May at El Centro, Calif., in the person of J. M., male, age 22. The patient was taken to the County Hospital but escaped into Mexico.

At Monte Rio, Calif., the case of C. L. T., Chinese, male, age 32, was diagnosed clinically, May 4, as *Lepra tuberosa*. This patient was born in San Francisco, Calif. Has been employed as cook in hotels. Is in Isolation Hospital, San Francisco, Calif.

A case of tubercular leprosy in the person of C. G., white, age 40, born in Mexico and having lived in the United States for one year,

July 4, 1919.

was diagnosed clinically and verified bacteriologically, May 8, at San Francisco, Calif. This patient escaped.

During the week ended June 14, 1919, one death from leprosy was reported at Baltimore, Md., and one case was reported at Los Angeles, Calif.

LETHARGIC ENCEPHALITIS.

State Reports for May, 1919.

Cases of lethargic encephalitis were reported during May, as follows: California, 4; Kansas, 1; North Carolina, 1; Ohio, 1; Oklahoma, 1.

MALARIA.

Cases Reported in Extra-Cantonment Zones, Week Ended June 28, 1919.

	Cases.		Cases.
Gas and flame school zone, Ga. and Ala.....	6	Camp Pike zone, Ark.....	7
Camp Gordon zone, Ga.....	1	Wilmington sanitary district, N. C.....	3
Gulfport health district, Miss.....	27		

State Reports for May, 1919.

Place.	New cases reported.	Place.	New cases reported.
California:		Mississippi—Continued.	
Butte County.....	1	Itawamba County.....	41
Gridley.....	6	Jackson County.....	36
Colusa County.....	2	Jasper County.....	15
Colusa City.....	3	Jefferson County.....	95
Fresno County—		Jefferson Davis County.....	25
Firebaugh.....	1	Jones County.....	57
Kern County.....	6	Kemper County.....	38
King County—		Lafayette County.....	70
Lemoore.....	2	Lamar County.....	88
Los Angeles County—		Lauderdale County.....	47
Long Beach.....	1	Lawrence County.....	105
San Francisco.....	1	Leake County.....	58
Santa Barbara County—		Lee County.....	189
Lompoc.....	1	Leflore County.....	282
Solano County.....	1	Lincoln County.....	68
Total.....	25	Lowndes County.....	73
Mississippi:		Madison County.....	25
Adams County.....	19	Marion County.....	108
Alcorn County.....	40	Marshall County.....	26
Amite County.....	90	Morgan County.....	59
Attala County.....	71	Montgomery County.....	50
Benton County.....	23	Neshoba County.....	87
Bolivar County.....	704	Newton County.....	30
Calhoun County.....	64	Noxubee County.....	34
Carroll County.....	48	Oktibbeha County.....	44
Chickasaw County.....	40	Panola County.....	136
Choctaw County.....	52	Pearl River County.....	89
Claiborne County.....	46	Perry County.....	39
Clarke County.....	68	Pike County.....	84
Clay County.....	22	Pontotoc County.....	169
Coahoma County.....	366	Prentiss County.....	88
Copiah County.....	55	Quitman County.....	220
Covington County.....	130	Rankin County.....	78
De Soto County.....	64	Scott County.....	62
Forest County.....	92	Sharkey County.....	105
Franklin County.....	63	Simpson County.....	26
George County.....	40	Smith County.....	41
Greene County.....	40	Stone County.....	32
Grenada County.....	20	Sunflower County.....	483
Hancock County.....	36	Tallahatchie County.....	193
Harrison County.....	53	Tate County.....	137
Hinds County.....	280	Tippah County.....	93
Holmes County.....	98	Tishomingo County.....	46
Humphreys County.....	210	Tunica County.....	136
Issaquena County.....	33	Union County.....	29
		Walthall County.....	23
		Warren County.....	163

MALARIA—Continued.

State Reports for May, 1919—Continued.

Place.	New cases reported.	Place.	New cases reported.
Mississippi—Continued.		Virginia—Continued.	
Washington County.....	181	Greenville County.....	6
Wayne County.....	50	Emporia.....	9
Webster County.....	22	North Emporia.....	5
Wilkinson County.....	62	Halifax County.....	15
Winston County.....	125	South Boston.....	4
Yalobusha County.....	42	Hanover County.....	11
Yazoo County.....	176	Henrico County.....	3
Total.....	7,740	Isle of Wight County.....	13
South Carolina:		James City County.....	13
Abbeville County.....	1	Williamsburg.....	1
Aiken County.....	2	King George County.....	10
Bamberg County.....	2	King and Queen County.....	2
Beaufort County.....	1	King William County.....	2
Chester County.....	10	Loudoun County.....	7
Chesterfield County.....	1	Lousia County.....	2
Clarendon County.....	12	Lunenburg County.....	3
Georgetown County.....	21	Mathews County.....	1
Greenwood County.....	1	Mecklenburg County.....	36
Horry County.....	1	Chase City.....	10
Lexington County.....	1	Middlesex County.....	8
Marion County.....	10	Nassau County.....	25
Newberry County.....	3	Suffolk.....	6
Spartanburg County.....	1	Holland.....	4
York County.....	8	Northampton County.....	6
Total.....	75	Cape Charles.....	2
Virginia:		Northumberland County.....	6
Accomac County.....	4	Pittsylvania County.....	12
Parksley.....	2	Powhatan County.....	3
Tangier.....	2	Princess Anne County.....	16
Alexandria County—		Prince Edward County.....	1
Potomac.....	1	Farmville.....	1
Alleghany County—		Rockbridge County.....	1
Clifton Forge.....	1	Scott County—	
Amelia County.....	2	Nickelsville.....	1
Amherst County—		Southampton County.....	18
Allens Creek.....	2	Franklin.....	12
Brunswick County.....	5	Stafford County.....	2
Campbell County—		Surry County.....	15
Altavista.....	2	Sussex County.....	7
Caroline County.....	3	Stony Creek.....	3
Charlotte County.....	3	Wakefield.....	3
Keystown.....	4	Tazewell County.....	3
Charles City County.....	2	Warwick County—	
Chesterfield County—		Newport News.....	10
Moseleys Junction.....	2	Washington County.....	1
Dinwiddie County.....	5	Westmoreland County.....	4
Goochland County.....	1	York County.....	1
		Yorktown.....	1
		Total.....	367

City Reports for Week Ended June 14, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Baltimore, Md.....	1		Louisville, Ky.....	1	
Brunswick, Ga.....	2		Memphis, Tenn.....		2
Charleston, S. C.....		1	Paterson, N. J.....	1	
Columbus, Ga.....	4		San Francisco, Calif.....		1
Haverhill, Mass.....	1		Savannah, Ga.....		1
Little Rock, Ark.....	2				

MEASLES.

Cases Reported in Extra-Cantonment Zones, Week Ended June 28, 1919.

	Cases.	Cases.	
Gas and flame school zone, Ga. and Ala.....	4	Camp Polk zone, N. C.....	5
Camp Gordon zone, Ga.....	1	Wilmington sanitary district, N. C.....	1
Gulfport health district, Miss.....	3		

See also Summary of cases reported by States, page 1499, and Diphtheria, measles, scarlet fever, and tuberculosis, page 1517.

PELLAGRA.

State Reports for May, 1919.

Place.	New cases reported.	Place.	New cases reported.
California:		Mississippi—Continued.	
Orange County—		Tippah County.....	4
Santa Ana.....	1	Tishomingo County.....	5
Riverside County—		Tunica County.....	15
Blythe.....	1	Union County.....	2
Tulare County—		Walthall County.....	7
Exeter.....	1	Warren County.....	5
Total.....	3	Washington County.....	27
Kansas:		Webster County.....	2
Labette County—		Winston County.....	2
Oswego.....	1	Yalobusha County.....	1
Riley County—		Yazoo County.....	17
Manhattan.....	1	Total.....	626
Saline County—		Oklahoma:	
Roxbury.....	1	Creek County.....	6
Salina.....	1	Grady County.....	1
Total.....	4	Le Flore County.....	1
Mississippi:		McIntosh County.....	4
Alcorn County.....	1	Pittsburg County.....	3
Amite County.....	2	Pushmataha County.....	1
Attala County.....	1	Seminole County.....	2
Benton County.....	2	Texas County.....	1
Bolivar County.....	103	Total.....	19
Carroll County.....	2	South Carolina:	
Chickasaw County.....	8	Alken County.....	
Claiborne County.....	2	Barnwell County.....	1
Clarke County.....	6	Cherokee County.....	1
Clay County.....	5	Chester County.....	2
Coahoma County.....	30	Chesterfield County.....	1
Copiah County.....	10	Clarendon County.....	1
Covington County.....	1	Georgetown County.....	1
De Soto County.....	6	Greenville County.....	4
Forest County.....	15	Laurens County.....	3
Franklin County.....	3	Marion County.....	1
George County.....	5	Marlboro County.....	6
Greene County.....	1	Newberry County.....	3
Hancock County.....	1	Oconee County.....	1
Hinds County.....	19	Richland County.....	1
Holmes County.....	25	Saluda County.....	2
Humphreys County.....	15	Spartanburg County.....	5
Iowaamba County.....	3	Total.....	35
Jefferson County.....	2	Virginia:	
Jefferson Davis County.....	1	Albermarle County—	
Jones County.....	3	Charlottesville.....	1
Lafayette County.....	1	Augusta County—	
Lamar County.....	5	Waynesboro.....	1
Lawrence County.....	14	Brunswick County.....	3
Leflore County.....	3	Campbell County.....	1
Lincoln County.....	11	Carroll County.....	2
Lowndes County.....	3	Chesterfield County—	
Madison County.....	11	Beach.....	1
Marion County.....	13	Greenville County.....	1
Marshall County.....	6	Halifax County—	
Monroe County.....	6	South Boston.....	1
Montgomery County.....	2	James City County.....	1
Neshoba County.....	4	Loudoun County.....	1
Newton County.....	1	Norfolk County.....	1
Noxubee County.....	2	Pittsylvania County.....	3
Panola County.....	5	Powhatan County.....	1
Pearl River County.....	7	Prince Edward County.....	1
Perry County.....	3	Rockbridge County—	
Pike County.....	4	Lexington.....	1
Leake County.....	5	Smyth County.....	1
Lee County.....	14	Marion.....	2
Pontotoc County.....	5	Sussex County.....	1
Prentiss County.....	5	Wise County—	
Quitman County.....	50	Norton.....	1
Rankin County.....	1	Bigstone Gap.....	1
Scott County.....	2	Total.....	28
Sharkey County.....	21		
Sunflower County.....	45		
Tallahatchie County.....	14		
Tate County.....	4		

PELLAGRA—Continued.

City Reports for Week Ended June 14, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Atlanta, Ga.....		4	Mobile, Ala.....		2
Baton Rouge, La.....	1	1	Raleigh, N. C.....	1	.....
Beaumont, Tex.....		1	Richmond, Va.....	1	.....
Brunswick, Ga.....	1	.....	San Angelo, Tex.....		1
Charleston, S. C.....		3	Savannah, Ga.....		2
Charlotte, N. C.....		1	Wilmington, N. C.....		1
Fort Worth, Tex.....		1	Worcester, Mass.....	1	1

PLAQUE-INFECTED GROUND SQUIRRELS.

Alameda County and Contra Costa County, Calif.

During the period from June 6 to June 13, 1919, 27 plague-infected ground squirrels (*Citellus beechyi*) were reported found in the northeastern part of Alameda County and the southeastern part of Contra Costa County, Calif. Diagnoses were based upon animal inoculation and cultures. Intensive hunting and poisoning operations are being carried on.

PNEUMONIA.

City Reports for Week Ended June 14, 1919.

Place.	Lobar.		All forms.	
	Cases.	Deaths.	Cases.	Deaths.
Appleton, Wis.....	1	1		.....
Atlanta, Ga.....		4		.....
Beaumont, Tex.....		1		.....
Binghamton, N. Y.....	2	1		.....
Birmingham, Ala.....		3		.....
Boston, Mass.....	17	4		.....
Buffalo, N. Y.....		2		.....
Cambridge, Mass.....	1	.....		.....
Charlotte, N. C.....		1		.....
Chelsea, Mass.....	1	.....		.....
Chicago, Ill.....		123	46	.....
Cincinnati, Ohio.....		1		.....
Cleveland, Ohio.....	21	9		.....
Cohoes, N. Y.....				1
Columbus, Ga.....	2	.....		.....
Columbus, Ohio.....		1		.....
Concord, N. H.....		1		.....
Cumberland, Md.....	1	.....		.....
Decatur, Ill.....		2		.....
Denver, Colo.....		1		2
Detroit, Mich.....	2	6	4	10
Dover, N. H.....		2		.....
Duluth, Minn.....	1	3		1
East Chicago, Ind.....				.....
East Orange, N. J.....	2	.....		.....
East St. Louis, Ill.....		2		.....
Elizabeth, N. J.....	1	2		.....
Fall River, Mass.....	2	.....		.....
Flint, Mich.....		1		.....
Fond du Lac, Wis.....		1		.....
Fort Wayne, Ind.....		1		.....
Fremont, Ohio.....		1		.....
Grand Rapids, Mich.....	2	.....		.....
Greenwich, Conn.....		1		.....
Hackensack, N. J.....		1		.....
Hammond, Ind.....		3		.....
Haverhill, Mass.....	1	1		.....
Highland Park, Mich.....	1	.....		.....

July 4, 1919.

PNEUMONIA—Continued.

City Reports for Week Ended June 14, 1919—Continued.

Place.	Lobar.		All forms.	
	Cases.	Deaths.	Cases.	Deaths.
Holyoke, Mass.		1		
Indianapolis, Ind.				6
Jamestown, N. Y.			2	
Kansas City, Mo.				4
Lancaster, Ohio		1		
Lawrence, Mass.	2	1		
Lexington, Ky.		1		
Little Rock, Ark.	3			
Logansport, Ind.		1		
Los Angeles, Calif.	2	1	2	5
Louisville, Ky.	1	1		
Lowell, Mass.	3			
Macon, Ga.				1
Madison, Wis.		1		
Marion, Ind.		2		
Memphis, Tenn.		2		
Milwaukee, Wis.		1		
Minneapolis, Minn.		2		
Missoula, Mont.		1		
Morristown, N. J.	3			
Nashville, Tenn.		2		
Newark, N. J.	20	1		
New Haven, Conn.				1
New London, Conn.	1			
Newport, Ky.	3	3	21	90
New York, N. Y.				
North Tonawanda, N. Y.	1			
Oakland, Calif.				
Oak Park, Ill.	1		2	
Olean, N. Y.				1
Omaha, Nebr.				5
Orange, N. J.				
Perth Amboy, N. J.			1	
Philadelphia, Pa.	45		24	
Phillipsburg, N. J.	1		1	
Pittsfield, Mass.	1		1	
Providence, R. I.			1	
Quincy, Ill.			1	
Quincy, Mass.	1			
Rochester, N. Y.	4		1	
Rockford, Ill.			1	
Rutland, Vt.			1	
Sacramento, Calif.			1	
Saginaw, Mich.			1	
St. Paul, Minn.			2	
Salt Lake City, Utah			1	
San Francisco, Calif.	10	5		
Savannah, Ga.		1		
Schenectady, N. Y.	1			
Somerville, Mass.	1			
South Bend, Ind.			1	
Springfield, Mass.	1			
Superior, Wis.			1	
Taunton, Mass.			1	
Toledo, Ohio.			2	
Trenton, N. J.			1	
Troy, N. Y.			1	
Waco, Tex.	1	1		
Washington, D. C.			9	
Westfield, Mass.	1			
White Plains, N. Y.			1	
Winthrop, Mass.		1		
Woburn, Mass.			1	
Youngstown, Ohio		1		

POLIOMYELITIS (INFANTILE PARALYSIS).**State Reports for May, 1919.**

Place.	New cases reported.	Place.	New cases reported.
California: San Francisco.....	1	Oklahoma: McIntosh County.....	1
Kansas: Shawnee County— Topeka.....	1	Pennsylvania: Allegheny County..... Northumberland County.....	2 1
Mississippi: Leflore County.....	1	Total.....	3
North Carolina: Beaufort County..... Harnett County.....	1 1	South Carolina: Kershaw County.....	1
Total.....	2	Virginia: Appomattox County.....	2
Ohio: Franklin County..... Knox County.....	1 1	Washington: King County— Issaquah.....	1
Total.....	2		

City Reports for Week Ended June 14, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Birmingham, Ala.....	2	1	Mobile, Ala.....	1	..
Chicago, Ill.....	1	..	Newport, Ky.....	1	1
Detroit, Mich.....	1	..	Philadelphia, Pa.....	2	1
Eau Claire, Wis.....	1	..	Pontiac, Mich.....	1	1
Milwaukee, Wis.....	1	..	San Angelo, Tex.....	..	1

RABIES IN ANIMALS.**City Reports for Week Ended June 14, 1919.**

During the week ended June 14, 1919, there were reported two cases of rabies in animals at Akron, Ohio, one case at Lorain, Ohio, and one case at Rochester, N. Y.

RABIES IN MAN.**Cincinnati, Ohio, and Fall River, Mass.**

During the week ended June 14, 1919, one death from rabies was reported at Cincinnati, Ohio, and one at Fall River, Mass.

ROCKY MOUNTAIN SPOTTED OR TICK FEVER.**North Dakota, Oregon, and Wyoming.**

During May one case of Rocky Mountain spotted or tick fever was reported at Rhame, Bowman County, N. Dak., one case was reported in Grant County, Oreg., and three cases were reported in Fremont County, Wyo.

SMALLPOX.

Cases Reported in Extra-Cantonment Zones, Week Ended June 28, 1919.

	Cases.	Cases.
Camp Gordon zone, Ga.....	8	Camp Polk zone, N. C.....
Camp Pike zone, Ark.....	1	2

State Reports for May, 1919—Vaccination Histories.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
California:						
Alameda County—						
Alameda.....	1				1	.....
Oakland.....	11		1	2	8	.....
Pleasanton.....	1			1		.....
Butte County.....	2				2	.....
Colusa County—						
Colusa.....	11				11	.....
Del Norte County.....	2				2	.....
Fresno County.....	1				1	.....
Humboldt County.....	1				1	.....
Arcata.....	1				1	.....
Eureka.....	3				3	.....
Imperial County—						
Imperial.....	4				2	2
Los Angeles County—						
Los Angeles.....	7		1	1	6	.....
Long Beach.....	19				18	.....
Pasadena.....	16				16	.....
Watts.....	2				2	.....
Whittier.....	1			1		.....
Monterey County—						
Salinas.....	1				1	.....
Orange County—						
Orange City.....	1				1	.....
Placer County—						
Lincoln.....	1			1		.....
San Bernardino County.....	2					2
San Benito County—						
Hollister.....	1				1	.....
San Francisco.....	20			2	18	.....
Santa Clara County.....	2		1		1	.....
San Jose.....	4				4	.....
Stanislaus County—						
Turlock.....	1				1	.....
Tulare County.....	1				1	.....
Tulare City.....	1					1
Dinuba.....	1				1	.....
	123		3	8	107	5
Kansas:						
Atchison County—						
Lancaster.....	1				1	.....
Atchison (1 R. F. D.).....	35				35	.....
Barton County—						
Hoisington.....	7				7	.....
Bourbon County—						
Fort Scott.....	1				1	.....
Brown County—						
Hiawatha.....	1					1
Butler County—						
Oil Hill.....	1				1	.....
Andover.....	1				1	.....
Rose Hill.....	1				1	.....
Augusta.....	1				1	.....
Eldorado.....	3					3
Cherokee County—						
Galena.....	2				2	.....
Cloud County—						
Jamestown.....	1				1	.....
Cowley County—						
Arkansas City.....	3				3	.....

SMALLPOX—Continued.

State Reports for May, 1919—Vaccination Histories—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Kansas—Continued.						
Crawford County—						
South Summitt.....	2				2	
Girard.....	2		1		1	
Mulberry.....	3				3	
Cherokee.....	1				1	
Ringo.....	1				1	
Frontenac.....	1				1	
Pittsburg.....	1				1	
Douglas County—						
Severance.....	1				1	
Leona.....	1				1	
Douglas County—						
Baldwin (R. F. D.).....	4				4	
Lawrence (R. F. D. 1).....	1					1
Ford County—						
Bucklin.....	1				1	
Dodge City (1 R. D.).....	3					3
Franklin County—						
Centropolis.....	1				1	
Geary County—						
Junction City.....	1				1	
Harvey County—						
Newton (R. F. D. 1).....	6				6	
Jackson County—						
Mayetta.....	3				3	
Jefferson County—						
Nortonville.....	15				10	5
Johnson County—						
West Park.....	1				1	
Kingman County—						
Pretty Prairie.....	1				1	
Lambette County—						
Parsons.....	13				13	
Leavenworth County—						
Lowemont.....	1				1	
Leavenworth.....	2				2	
Linn County—						
La Cygne.....	4					4
Marshall County—						
Marysville.....	8			1	7	
Irving.....	1				1	
Miami County—						
Bucyrus (RD3).....	6					6
Montgomery County—						
Cherryvale.....	1				1	
Independence.....	2		1		1	
Morris County—						
Council Grove.....	1		1			
Neosho County—						
Thayer.....	1				1	
Chanute (URD).....	25			1		24
Norton County—						
Norton.....	12				12	
Almena.....	4				4	
Pratt County—						
St. John.....	1				1	
Reno County—						
Hutchinson.....	4		1	1	2	
Sedgwick County—						
Wichita (RD1).....	44				20	24
Shawnee County—						
Topeka.....	3				3	
Sherman County—						
Goodland.....	1				1	
Sumner County—						
Belle Plaine.....	1				1	
Wichita County—						
Leoti.....	3				3	
Wilson County—						
Buffville.....	2				2	
Buffalo.....	2				2	

SMALLPOX—Continued.

State Reports for May, 1919—Vaccination Histories—Continued.

Place.	New cases reported.	Deaths.	Vaccination history of cases.			
			Number vaccinated within 7 years preceding attack.	Number last vaccinated more than 7 years preceding attack.	Number never successfully vaccinated.	Vaccination history not obtained or uncertain.
Kansas—Continued.						
Wyandotte County—						
Turner.....	2			1	2	
Kansas City.....	6				5	
Total.....	258		4	5	178	71
Ohio:						
Ashland County.....	3				3	9
Athens County.....	9					
Belmont County.....	2				2	
Butler County.....	60			2	20	38
Clark County.....	2			1		1
Coshocton County.....	10				5	5
Crawford County.....	8				5	3
Cuyahoga County.....	62				36	26
Darke County.....	4				2	2
Defiance County.....	7					7
Fairfield County.....	2		1		1	
Franklin County.....	7				5	2
Fulton County.....	6				2	4
Greene County.....	14				6	8
Hamilton County.....	35			2	10	23
Hancock County.....	2					2
Hardin County.....	1					1
Harrison County.....	2					2
Highland County.....	11					11
Hocking County.....	2					2
Jefferson County.....	23			1	16	6
Lake County.....	1					1
Lorain County.....	29			4	24	1
Lucas County.....	47					47
Madison County.....	1				1	
Mahoning County.....	68			2	23	43
Marion County.....	4				2	2
Medina County.....	1				1	
Miami County.....	2				2	
Montgomery County.....	20			1	5	14
Muskingum County.....	3		1		2	
Ottawa County.....	3					3
Paulding County.....	1				1	
Perry County.....	20			1	17	2
Pike County.....	3					3
Portage County.....	3					3
Preble County.....	2					2
Ross County.....	2				1	1
Scioto County.....	7				1	6
Seneca County.....	12		2	1	6	3
Shelby County.....	9			1	3	5
Stark County.....	11			1		5
Summit County.....	12			2	2	8
Trumbull County.....	12				3	9
Tuscarawas County.....	14				11	3
Van Wert County.....	3					3
Total.....	562		4	19	223	316

SMALLPOX—Continued.

State Reports for May, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Iowa:			North Carolina:		
Allamakee County	1		Anson County	5	
Blackhawk County	2		Ashe County	9	
Boone County	36		Beaufort County	3	
Bremer County	2		Bertie County	1	
Buchanan County	6		Buncombe County	1	
Carroll County	4		Cabarrus County	4	
Cerro Gordo County	20		Caldwell County	2	
Clayton County	1		Caswell County	1	
Clinton County	1		Catawba County	1	
Decatur County	6		Chatham County	4	
Dubuque County	7		Chowan County	4	
Franklin County	1		Cleveland County	3	
Grundy County	7		Currituck County	6	
Hamilton County	1		Cumberland County	3	
Harrison County	1		Davie County	5	
Keokuk County	8		Durham County	6	
Linn County	53		Forsyth County	79	
Lucas County	1		Franklin County	1	
Lyon County	1		Gaston County	5	
Mahaska County	3		Guilford County	42	
Marshall County	4		Harnett County	1	
Monroe County	3		Heywood County	1	
Muscogee County	1		Iredell County	2	
Plymouth County	1		Johnston County	2	
Polk County	18		Lee County	11	
Pottawattamie County	15		Martin County	1	
Poweshiek County	1		Mecklenburg County	1	
Scott County	47		Nash County	1	
Sioux County	1		Orange County	2	
Wapello County	17		Pasquotank County	1	
Warren County	2		Perquimans County	6	
Webster County	6		Pitt County	26	
Wright County	1		Randolph County	9	
Total.....	279		Robeson County	1	
Mississippi:			Rockingham County	21	
Adams County	1		Rowan County	1	
Attala County	8		Rutherford County	9	
Bolivar County	65		Scotland County	1	
Carroll County	10		Stanly County	2	
Chickasaw County	4		Stokes County	2	
Clarke County	1		Surry County	5	
Clay County	4		Swain County	7	
Coahoma County	3		Tyrrell County	12	
Copiah County	1		Union County	4	
De Soto County	6		Vance County	6	
Greene County	2		Wake County	6	
Harrison County	1		Warren County	2	
Hinds County	4		Washington County	6	
Holmes County	12		Watauga County	6	
Humphreys County	7		Wilson County	2	
Itawamba County	5		Yadkin County	1	
Jefferson County	1		Yancey County	1	
Kemper County	11		Total.....	344	
Lauderdale County	10		North Dakota:		
Lawrence County	1		Ross County	5	
Leflore County	93		Russell County	1	
Lincoln County	1		Forest River County	1	
Lowndes County	2		Minot County	4	
Marshall County	10		Stanley County	1	
Monroe County	5		Crosby County	1	
Montgomery County	1		Total.....	13	
Oktibbeha County	2		Oklahoma:		
Panola County	1		Blaine County	2	
Pearl River County	7		Caddo County	1	
Pike County	1		Cimarron County	1	
Quitman County	1		Cleveland County	5	
Stone County	1		Coal County	3	
Sunflower County	107		Creek County	9	
Tallahatchie County	3		Dewey County	1	
Tate County	2		Ellis County	11	
Tippah County	12		Grady County	1	
Tunica County	1		Johnston County	13	
Washington County	8		Lincoln County	5	
Wayne County	7		Logan County	9	
Yalobusha County	7		McClain County	16	
Total.....	429		McIntosh County	2	
			Major County	1	

July 4, 1919.

SMALLPOX—Continued.

State Reports for May, 1919—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Oklahoma—Continued.			South Dakota—Continued.		
Noble County.....	3		Miner County.....	2	
Payne County.....	123		Minnehaha County.....	1	
Pushmataha County.....	2		Potter County.....	5	
Seminole County.....	2		Spink County.....	4	
Stephens County.....	4		Walworth County.....	5	
Tillman County.....	4		Yankton County.....	2	
Tulsa County.....	37		Total.....	103	
Woods County.....	2				
Woodward County.....	25				
Total.....	282				
Oregon:					
Benton County.....	5		Virginia:		
Clackamas County.....	9		Accomac County.....	29	
Clatsop County.....	2		Bloxom.....	15	
Gilliam County.....	1		Onancock.....	1	
Hood River County.....	2		Alexandria County.....	1	
Jackson County.....	2		Alleghany County.....	5	
Lane County.....	2		Clifton Forge.....	1	
Linn County.....	8		Covington.....	57	
Malheur County.....	8		Campbell County.....	2	
Multnomah County.....	1		Altavista.....	1	
Sherman County.....	5		Lynchburg.....	7	
Umatilla County.....	1		Chesterfield County.....	2	
Union County.....	24		Giles County.....	2	
Washington County.....	1		Halifax County—		
Portland.....	146		South Boston.....	1	
Total.....	214		Henrico County—		
Pennsylvania:			Richmond.....	1	
Allegheny County.....	9		Henry County.....	3	
Beaver County.....	5		James City County.....	1	
Cambria County.....	1		Loudoun County.....	6	
Elk County.....	3		Leesburg.....	3	
Franklin County.....	6		Lunenburg County.....	3	
Jefferson County.....	1		Victoria.....	1	
Lackawanna County.....	4		Middlesex County.....	4	
McKean County.....	1		Nansemond County—		
Washington County.....	1		Suffolk.....	1	
Total.....	31		Norfolk County.....	2	
South Carolina:			Norfolk.....	10	
Abbeville County.....	1		Portsmouth.....	9	
Barnwell County.....	3		Nottoway County.....	5	
Charleston County.....	2		Blackstone.....	16	
Cherokee County.....	1		Patrick County.....	1	
Chester County.....	1		Stuart.....	3	
Chesterfield County.....	4		Prince William County.....	2	
Edgefield County.....	2		Pulaski County.....	1	
Greenville County.....	2		Russell County—		
Greenwood County.....	1		Wilder.....	3	
Laurens County.....	4		Scott County—		
Oconee County.....	4		Rye Cove.....	2	
Orangburg County.....	2		Spotsylvania County.....	1	
Richland County.....	9		Stafford County.....	1	
Spartanburg County.....	10		Surry County.....	1	
York County.....	9		Sussex County.....	1	
Total.....	55		Tazewell County.....	8	
South Dakota:			Boisieval.....	3	
Beadle County.....	27		Graham.....	2	
Bon Homme County.....	6		Poehontas.....	6	
Brown County.....	9		Warwick County—		
Charles Mix County.....	9		Newport News.....	13	
Codington County.....	3		Washington County.....	40	
Custer County.....	2		Bristol.....	6	
Fall River County.....	1		Wise County.....	3	
Hamil County.....	1		Total.....	286	
Hand County.....	10				
Hanson County.....	1				
Hughes County.....	1				
Jerauld County.....	2				
Jones County.....	2				
Kingsbury County.....	8				
Lincoln County.....	1				
Marshall County.....	1				

SMALLPOX—Continued.

State Reports for May, 1919—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Washington—Continued.			Washington—Continued.		
King County.....	32	.....	Spokane County.....	1	.....
Auburn.....	2	.....	Spangle.....	1	.....
Renton.....	1	.....	Spokane.....	15	.....
Seattle.....	111	.....	Thurston County.....	1	.....
Kitsap County—			Olympia.....	11	.....
Bremerton.....	2	.....	Wahkiakum County.....	1	.....
Kittitas County.....	6	.....	Walla Walla County.....	17	.....
Ellensburg.....	2	.....	Whatcom County.....	2	.....
Lewis County.....	3	.....	Bellingham.....	2	.....
Centralia.....	4	.....	Yakima County.....	50	.....
Mason County.....	3	.....	Sunnyside.....	9	.....
Okanogan County.....	7	.....	Yakima.....	35	.....
Brewster.....	4	.....	Zillah.....	16	.....
Omak.....	1	.....	Total.....	499	.....
Pateros.....	1	.....		
Pacific County—			Wyoming:		
Raymond.....	2	.....	Washakie County.....	3	.....
Pierce County.....	10	.....	Converse County.....	13	.....
Puyallup.....	14	.....	Goshen County.....	2	.....
Tacoma.....	27	.....	Sheridan County.....	6	.....
Skagit County—			Weston County.....	17	.....
Lyman.....	1	.....	Albany County.....	4	.....
Snohomish County.....	21	.....	Total.....	45	.....
Everett.....	39	.....		
Granite Falls.....	3	.....		
Marysville.....	1	.....		
Monroe.....	3	.....		

City Reports for Week Ended June 14, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alameda, Calif.....	4	.....	Hoquiam, Wash.....	1	.....
Alliance, Ohio.....	1	.....	Hutchinson, Kans.....	2	.....
Atchison, Kans.....	8	.....	Independence, Mo.....	1	.....
Atlanta, Ga.....	10	.....	Indianapolis, Ind.....	2	.....
Baton Rouge, La.....	2	.....	Ironwood, Mich.....	1	.....
Battle Creek, Mich.....	6	.....	Kalamazoo, Mich.....	3	.....
Billings, Mont.....	1	.....	Kansas City, Kans.....	2	.....
Birmingham, Ala.....	2	.....	Kansas City, Mo.....	9	.....
Bluffield, W. Va.....	1	.....	Kokomo, Ind.....	1	.....
Boise, Idaho.....	3	.....	La Fayette, Ind.....	3	.....
Canton, Ill.....	4	.....	Leavenworth, Kans.....	3	.....
Carbondale, Pa.....	2	.....	Lincoln, Nebr.....	9	.....
Cedar Rapids, Iowa.....	10	.....	Logansport, Ind.....	7	.....
Chanute, Kans.....	2	.....	Long Beach, Calif.....	2	.....
Charleston, W. Va.....	1	.....	Lorain, Ohio.....	1	.....
Chicago, Ill.....	1	.....	Los Angeles, Calif.....	1	.....
Chillicothe, Ohio.....	1	.....	Louisville, Ky.....	2	.....
Cincinnati, Ohio.....	5	.....	Madison, Wis.....	5	.....
Cleveland, Ohio.....	12	.....	Marinette, Wis.....	1	.....
Colorado Springs, Colo.....	5	.....	Marion, Ind.....	2	.....
Columbus, Ohio.....	1	.....	Marion, Ohio.....	1	.....
Dallas, Tex.....	10	.....	Marquette, Mich.....	7	.....
Danville, Ill.....	2	.....	Marshalltown, Iowa.....	4	.....
Danville, Va.....	1	.....	Memphis, Tenn.....	1	.....
Davenport, Iowa.....	21	.....	Milwaukee, Wis.....	9	.....
Denver, Colo.....	13	.....	Minneapolis, Minn.....	19	1
Des Moines, Iowa.....	2	.....	Mobile, Ala.....	5	.....
Detroit, Mich.....	12	.....	Moline, Ill.....	6	.....
Dubuque, Iowa.....	1	.....	New Orleans, La.....	2	.....
Duluth, Minn.....	15	.....	Norfolk, Va.....	2	.....
Durham, N. C.....	1	.....	Ogden, Utah.....	2	.....
Evansville, Ind.....	9	.....	Oklahoma City, Okla.....	5	.....
Everett, Wash.....	9	.....	Omaha, Nebr.....	18	.....
Fond du Lac, Wis.....	1	.....	Oshkosh, Wis.....	5	.....
Fort Wayne, Ind.....	1	.....	Parsons, Kans.....	6	.....
Fort Worth, Tex.....	5	.....	Pekin, Ill.....	1	.....
Galesburg, Ill.....	4	.....	Peoria, Ill.....	6	.....
Grand Rapids, Mich.....	6	.....	Pocatello, Idaho.....		1
Greeley, Colo.....	1	.....	Portland, Oreg.....	45	.....
Green Bay, Wis.....	1	.....	Portsmouth, Va.....	2	.....
Highland Park, Mich.....	2	.....	Racine, Wis.....	13	.....

SMALLPOX—Continued.**City Reports for Week Ended June 14, 1919—Continued.**

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Richmond, Va.	1		Spokane, Wash.	1	
Roanoke, Va.	5		Steubenville, Ohio	2	
Rockford, Ill.	1		Superior, Wis.	8	
Rock Island, Ill.	5		Tacoma, Wash.	9	
St. Joseph, Mo.	17		Terre Haute, Ind.	1	
St. Louis, Mo.	3		Toledo, Ohio	3	
St. Paul, Minn.	15		Topeka, Kans.	2	
Salt Lake City, Utah	4		Tulsa, Okla.	2	
San Diego, Calif.	2		Vallejo, Calif.	1	
San Francisco, Calif.	2		Walla Walla, Wash.	2	
San Jose, Calif.	4		Washington, D. C.	8	
Savannah, Ga.	3		Wichita, Kans.	12	
Seattle, Wash.	33		Winston-Salem, N. C.	3	
Sioux City, Iowa	1		Yakima, Wash.	8	
Sioux Falls, S. Dak.	2		Youngstown, Ohio	17	

SYPHILIS.**Cases Reported in Extra-Cantonment Zones, Week Ended June 28, 1919.**

	Cases.		Cases.
Fayetteville sanitary district, N. C.	3	Pierce acid plant zone, Ga.	4
Gas and flame school zone, Ga. and Ala.	6	Camp Pike zone, Ark.	10
Camp Gordon zone, Ga.	8	Camp Polk zone, N. C.	3
Gulfport health district, Miss.	2	Wilmington sanitary district, N. C.	3

TETANUS.**City Reports for Week Ended June 14, 1919.**

During the week ended June 14, 1919, tetanus was reported as follows: Baton Rouge, La., one case; Cleveland, Ohio, one death; New York, N. Y., one case; and Philadelphia, Pa., one case and one death.

TUBERCULOSIS.**Cases Reported in Extra-Cantonment Zones, Week Ended June 28, 1919.**

	Cases.		Cases.
Fayetteville sanitary district, N. C.	1	Camp Pike zone, Ark.	4
Gas and flame school zone, Ga. and Ala.	1	Camp Polk zone, N. C.	3
Camp Gordon zone, Ga.	1	Wilmington sanitary district, N. C.	3
Pierce acid plant zone, Ga.	2		

See also Diphtheria, measles, scarlet fever, and tuberculosis, page 1517.

TYPHOID FEVER.**Cases Reported in Extra-Cantonment Zones, Week Ended June 28, 1919.**

	Cases.		Cases.
Fayetteville sanitary district, N. C.	2	Camp Polk zone, N. C.	5
Gas and flame school zone, Ga. and Ala.	4	Portsmouth and Norfolk County health district,	
Camp Gordon zone, Ga.	2	Va.	3
Pierce acid plant zone, Ga.	2	Wilmington sanitary district, N. C.	2
Camp Pike zone, Ark.	3		

TYPHOID FEVER—Continued.

State Reports for May, 1919.

Place.	New cases reported.	Place.	New cases reported.
California:		Mississippi—Continued.	
Alameda County—		Holmes County.....	2
Oakland.....	1	Humphreys County.....	1
Fresno County.....	3	Jefferson County.....	9
Imperial County—		Jefferson Davis County.....	3
Calexico.....	1	Jones County.....	2
El Centro.....	4	Kemper County.....	2
Imperial.....	1	Lafayette County.....	2
Kern County.....	1	Lauderdale County.....	1
Los Angeles County—		Leake County.....	1
Long Beach.....	1	Leflore County.....	2
Los Angeles.....	23	Lincoln County.....	7
Moder County.....	1	Lowndes County.....	1
Riverside County—		Madison County.....	5
Blythe.....	2	Marion County.....	5
Riverside City.....	3	Marshall County.....	1
Sacramento County.....	2	Montgomery County.....	1
San Francisco.....	2	Noxubee County.....	6
San Bernardino County—		Oktibbeha County.....	1
San Bernardino.....	3	Panola County.....	7
Santa Barbara County—		Pike County.....	6
Santa Barbara.....	1	Prentiss County.....	2
Total.....	52	Rankin County.....	2
Kansas:		Sunflower County.....	2
Barber County—		Tallahatchie County.....	3
Sharon.....	1	Tate County.....	12
Butler County—		Tippah County.....	7
Eldorado.....	5	Tishomingo County.....	2
Crawford County—		Union County.....	2
Pittsburg.....	2	Walthall County.....	2
Douglas County—		Warren County.....	3
Lawrence.....	1	Washington County.....	14
Linn County—		Winston County.....	4
Mound City.....	2	Yalobusha County.....	3
Marion County—		Total.....	185
Peabody.....	1	North Carolina:	
Montgomery County—		Ashe County.....	1
Coffeyville.....	2	Beaufort County.....	1
Morris County—		Bladen County.....	1
Council Grove.....	1	Caldwell County.....	2
Norton County—		Carteret County.....	4
Almena.....	1	Caswell County.....	1
Reno County—		Catawba County.....	3
Hutchinson.....	3	Chatham County.....	2
Scott County—		Cleveland County.....	7
Scott City.....	1	Columbus County.....	3
Sedgwick County—		Cumberland County.....	1
Wichita.....	1	Davie County.....	2
Shawnee County—		Duplin County.....	4
Topeka.....	1	Durham County.....	2
Wabunsee County—		Forsyth County.....	3
Alta Vista.....	1	Gates County.....	1
Wilson County—		Graham County.....	1
Fredonia.....	1	Guilford County.....	6
Wyandotte County—		Halifax County.....	1
Kansas City.....	1	Henderson County.....	1
Total.....	25	Hertford County.....	3
Mississippi:		Iredell County.....	2
Adams County.....	3	Lenoir County.....	1
Amite County.....	5	Lincoln County.....	3
Attala County.....	1	Martin County.....	1
Benton County.....	1	Mecklenburg County.....	1
Bolivar County.....	15	New Hanover County.....	4
Calhoun County.....	2	Northampton County.....	8
Carroll County.....	4	Onslow County.....	3
Chickasaw County.....	2	Person County.....	9
Choctaw County.....	1	Pitt County.....	5
Clay County.....	2	Randolph County.....	2
Coahoma County.....	1	Rockingham County.....	1
Copiah County.....	7	Sampson County.....	1
De Soto County.....	2	Surry County.....	1
Forest County.....	2	Swain County.....	2
Franklin County.....	4	Union County.....	2
George County.....	1	Vance County.....	1
Hinds County.....	5	Wake County.....	2
		Washington County.....	1
		Wayne County.....	6

July 4, 1919.

TYPHOID FEVER—Continued.

State Reports for May, 1919—Continued.

Place.	New cases reported.	Place.	New cases reported.
North Carolina—Continued.		Pennsylvania—Continued.	
Wilkes County.....	1	Center County.....	1
Wilson County.....	1	Chester County.....	7
Yadkin County.....	1	Clarion County.....	1
Yancey County.....	1	Clearfield County.....	4
Total.....	110	Cumberland County.....	9
North Dakota:		Dauphin County.....	3
Golden Valley.....	1	Delaware County.....	1
Solen.....	1	Erie County.....	1
Total.....	2	Fayette County.....	5
Ohio:		Franklin County.....	2
Ashland County.....	1	Fulton County.....	1
Athens County.....	1	Greene County.....	2
Belmont County.....	2	Huntingdon County.....	5
Brown County.....	1	Indiana County.....	2
Columbiana County.....	9	Jefferson County.....	1
Coshocton County.....	1	Juniata County.....	1
Cuyahoga County.....	6	Lackawanna County.....	1
Delaware County.....	1	Lancaster County.....	2
Erie County.....	3	Lawrence County.....	1
Franklin County.....	6	Lebanon County.....	2
Guernsey County.....	1	Lehigh County.....	3
Hamilton County.....	2	Mercer County.....	3
Highland County.....	1	Montgomery County.....	8
Jefferson County.....	1	Montour County.....	6
Lawrence County.....	3	Northumberland.....	1
Logan County.....	2	Philadelphia County.....	41
Lorain County.....	1	Schuylkill County.....	2
Lucas County.....	1	Union County.....	1
Mahoning County.....	1	Venango County.....	1
Medina County.....	1	Warren County.....	1
Meigs County.....	1	Washington County.....	4
Miami County.....	1	Westmoreland County.....	1
Noble County.....	1	York County.....	6
Montgomery County.....	1	Total.....	174
Sandusky County.....	1	South Carolina:	
Summit County.....	3	Anderson County.....	1
Trumbull County.....	3	Bamberg County.....	2
Tuscarawas County.....	1	Barnwell County.....	1
Washington County.....	2	Beaufort County.....	1
Total.....	59	Chester County.....	1
Oklahoma:		Clarendon County.....	2
Blaine County.....	1	Dillon County.....	2
Canadian County.....	1	Edgefield County.....	2
Creek County.....	9	Florence County.....	1
Jackson County.....	1	Greenville County.....	3
Lincoln County.....	2	Greenwood County.....	1
McIntosh County.....	1	Horry County.....	3
Payne County.....	1	Kershaw County.....	10
Pittsburg County.....	2	Laurens County.....	2
Roger Mills County.....	1	Lexington County.....	2
Sequoyah County.....	1	Marlboro County.....	4
Stephens County.....	3	Newberry County.....	1
Tulsa County.....	3	Oconee County.....	2
Total.....	26	Orangeburg County.....	9
Oregon:		Pickens County.....	1
Linn County.....	2	Richland County.....	5
Marion County.....	2	Sumter County.....	2
Portland.....	3	Total.....	58
Total.....	7	South Dakota:	
Pennsylvania:		Beadle County.....	1
Adams County.....	1	Jones County.....	1
Allegheny County.....	25	Walworth County.....	2
Armstrong County.....	4	Total.....	4
Berks County.....	6	Virginia:	
Blair County.....	1	Accomac County.....	1
Bucks County.....	4	Alexandria County—	
Butler County.....	1	Alexandria.....	1
Cambria County.....	2	Alleghany County—	
		Clifton Forge.....	2
		Covington.....	1
		Lowmoor.....	2
		Amelia County.....	1

TYPHOID FEVER—Continued.

State Reports for May, 1919—Continued.

Place.	New cases reported.	Place.	New cases reported.
Virginia—Continued.		Virginia—Continued.	
Augusta County.....	1	Smyth County.....	2
Bedford County.....	1	Marion.....	4
Buchanan County.....	3	Southampton County.....	3
Campbell County.....	1	Washington County.....	1
Caroline County.....	1	Glade Springs.....	1
Carroll County.....	1	Wise County—	
Elizabeth City—		Inman.....	1
Hampton.....	1	York County.....	1
Grayson County—		Total.....	79
Fries.....	1		
Greenville County—		Washington:	
North Emporia.....	1	Benton County—	
Halifax County.....	5	Frosser.....	1
Hanover County—	2	Chelan County—	
Atlee.....	3	Wenatchee.....	2
Hampton County—		Douglas County—	
Highland Springs.....	1	Waterville.....	1
Richmond.....	10	Ferry County—	
Henry County.....	1	Republic.....	1
Highland County.....	3	King County—	
Isle of Wight County.....	1	Seattle.....	3
Lancaster County.....	1	Kittitas County.....	2
Louisa County—		Lincoln County.....	1
Mineral.....	2	Pierce County—	
Mechlenburg County—		Tacoma.....	1
Skipwith.....	2	Snohomish County—	
Nansemond County—		Everett.....	1
Suffolk.....	2	Spokane County—	
Nelson County.....	2	Spokane.....	1
Norfolk County—		Stevens County.....	3
Portsmouth.....	1	Walla Walla County—	
Page County.....	2	Walla Walla.....	1
Patriot County—		Yakima County—	
Stuart.....	1	Sunnyside.....	1
Prince Edward County.....	2	Total.....	20
Prince George County.....	1		
Roanoke County.....	1		
Rockbridge County—		Wyoming:	
Colierstown.....	3	Washakie County.....	2
Scott County.....	1		

City Reports for Week Ended June 14, 1919.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Alexandria, La.....		1	Erie, Pa.....	1	
Ann Arbor, Mich.....	1		Evansville, Ind.....	1	
Ashtabula, Ohio.....	1		Fairmont, W. Va.....	1	
Atlanta, Ga.....	2		Fall River, Mass.....	2	
Baltimore, Md.....	3	1	Galveston, Tex.....	1	
Baton Rouge, La.....	2		Hackensack, N. J.....	1	
Berkeley, Calif.....	1		Hammond, Ind.....	1	1
Birmingham, Ala.....	5		Harrisburg, Pa.....	1	
Boston, Mass.....	3		Hartford, Conn.....	1	
Brunswick, Ga.....	1		Holyoke, Mass.....	1	
Buffalo, N. Y.....	1		Hoquiam, Wash.....	1	
Charleston, S. C.....	2	2	Indianapolis, Ind.....	1	
Charleston, W. Va.....	1		Kalamazoo, Mich.....	1	1
Charlotte, N. C.....	3		Kansas City, Kans.....	1	
Chester, Pa.....	1		Kansas City, Mo.....	2	
Chicago, Ill.....	4		Knoxville, Tenn.....	1	
Cincinnati, Ohio.....	1		Lackawanna, N. Y.....	1	1
Cleveland, Ohio.....		1	Lawrence, Mass.....	1	
Coatesville, Pa.....	1		Lima, Ohio.....	2	
Columbus, Ga.....	1		Little Rock, Ark.....	1	
Columbus, Ohio.....	1		Lorain, Ohio.....	1	
Connellsville, Pa.....	1		Los Angeles, Calif.....	3	1
Covington, Ky.....	1	2	Louisville, Ky.....	1	
Dallas, Tex.....	1	1	Macon, Ga.....		1
Dayton, Ohio.....	3		Marion, Ohio.....	2	
Des Moines, Iowa.....	2		Memphis, Tenn.....		1
Detroit, Mich.....	8	2	Milwaukee, Wis.....	1	1
East Chicago, Ind.....		1	Minneapolis, Minn.....	1	1

July 4, 1919.

TYPHOID FEVER—Continued.

City Reports for Week Ended June 14, 1919—Continued.

Place.	Cases.	Deaths.	Place.	Cases.	Deaths.
Mobile, Ala.		1	Roanoke, Va.	1	
Montclair, N. J.	1		Rock Island, Ill.	1	
Morgantown, W. Va.	2		Rocky Mount, N. C.	1	
Nashville, Tenn.	1		Saginaw, Mich.	1	
Newburgh, N. Y.	1	1	St. Cloud, Minn.	1	
New Orleans, La.	5	4	St. Joseph, Mo.		1
New York, N. Y.	6	1	St. Louis, Mo.	4	
Norfolk, Va.	2		St. Paul, Minn.		1
Oakland, Calif.	1		San Diego, Calif.	3	
Ossining, N. Y.	1		San Francisco, Calif.	2	
Parsons, Kans.	1		San Jose, Calif.	3	
Peoria, Ill.	1		Savannah, Ga.	3	2
Philadelphia, Pa.	10	2	Schenectady, N. Y.	1	
Plainfield, N. J.	1		Somerville, Mass.	1	
Pocatello, Idaho.		1	South Bend, Ind.	1	
Portland, Maine.	1		Syracuse, N. Y.	1	
Portland, Ore.	2		Toledo, Ohio.		1
Portsmouth, Va.	1	1	Topeka, Kans.	1	
Pottstown, Pa.	1		Trenton, N. J.	1	1
Providence, R. I.	2		Waco, Tex.	2	1
Pueblo, Colo.	2		Wheeling, W. Va.	1	
Reading, Pa.	1		Wichita, Kans.	1	
Reno, Nev.	6		Winston-Salem, N. C.	3	
Richmond, Va.	2		Youngstown, Ohio.	2	1

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City Reports for Week Ended June 14, 1919.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Aberdeen, S. Dak.	15,926	1	1	1		5				
Adams, Mass.	14,406	1								
Akron, Ohio	93,604	32	4	55		3		6		
Alameda, Calif.	28,433	0		1						
Alexandria, La.	16,232	3								
Allentown, Pa.	65,109		5	34		2		3		
Alliance, Ohio.	19,581			2						
Altoona, Pa.	59,712		7							
Anderson, Ind.	24,230	5								1
Ann Arbor, Mich.	15,041	5		1						
Ansonia, Conn.	16,954	1		1						
Appleton, Wis.	18,005	5								
Arlington, Mass.	13,073									
Asbury Park, N. J.	14,629	0	1	4		11		1		
Ashtabula, Ohio.	22,008	2								
Atchison, Kans.	16,785							4		
Atlanta, Ga.	195,144	63	2	5		4		2		4
Atlantic City, N. J.	59,515	8	3	9		3		9		1
Attleboro, Mass.	19,776	6		1						
Austin, Tex.	35,612		1							
Bakersfield, Calif.	17,543	2								1
Baltimore, Md.	594,637	165	24	3	18		51		52	15
Bangor, Me.	26,958					1				
Barre, Vt.	12,401	2								
Baton Rouge, La.	17,544	4	2		15					3
Battle Creek, Mich.	30,159	0	2		12					
Bayonne, N. J.	72,204		2	3				3		
Beatrice, Nebr.	10,437	3	1							
Beaumont, Tex.	28,851	12								
Bedford, Ind.	10,613	2					1		1	1
Beloit, Wis.	18,547	3					1		4	1
Benton Harbor, Mich.	11,090	2		1						
Berkeley, Calif.	60,427	9	2							
Berlin, N. H.	13,892	1						1		1
Beverly, Mass.	22,128	3								
Bliddeford, Me.	17,760		12							

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City Reports for Week Ended June 14, 1919—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Billings, Mont.	15,123	4								
Binghamton, N. Y.	54,864	13	1		2		2			1
Birmingham, Ala.	189,716	49	1		5	1	1		8	6
Bloomfield, N. J.	19,013						1			
Bloomington, Ind.	11,661	0								
Bluefield, W. Va.	16,123						2			
Bolse, Idaho	35,951	5					3			
Boston, Mass.	767,813	169	40	2	38		27		48	10
Braddock, Pa.	22,060		1							
Bradford, Pa.	14,544				1					
Brazil, Ind.	10,472	0			3					
Bridgeport, Conn.	124,724	19	1		6	1	1		1	2
Bristol, Conn.	16,318	3			5		1		2	
Brockton, Mass.	69,152	17			1		1		3	4
Brookline, Mass.	33,526	6	1		5		1		1	
Brunswick, Ga.	10,984	4							1	1
Buffalo, N. Y.	475,781	120	49	4	63	1	10	1	27	13
Burlington, Iowa	25,144	2					1			
Burlington, Vt.	21,802	8								1
Butler, Pa.	28,677								1	
Butte, Mont.	44,057						3			
Cadillac, Mich.	10,158	2	2							
Cairo, Ill.	15,905	5								
Cambridge, Mass.	114,293	24	4		5	1	4		5	2
Canton, Ohio	62,566	9	1		5		2		5	1
Carlisle, Pa.	10,795				22					
Cedar Rapids, Iowa	38,033		1				2			
Centraflia, Ill.	11,838	4	1		1					
Chambersburg, Pa.	12,475						1			
Chanute, Kans.	12,968				1					
Charleston, S. C.	61,041	24	1							
Charleston, W. Va.	31,060	10	2		3		2			
Charlotte, N. C.	40,759	16			5				1	3
Chelsea, Mass.	48,405	4	1		1				1	1
Chester, Pa.	41,857		2		5				2	
Cheyenne, Wyo.	11,320				1					1
Chicago, Ill.	2,547,201	622	71	8	779	10	39	1	469	77
Chicopee, Mass.	29,950	7	3						2	2
Chillicothe, Ohio	15,625	2					1			1
Cincinnati, Ohio	414,248	109	12		57		21		18	15
Cleveland, Ohio	692,259	140	23	2	159	1	11		22	
Clinton, Iowa	27,678	1					1			
Clinton, Mass.	13,075	3								
Cohoes, N. Y.	25,292	6					1			
Colorado Springs, Colo.	38,965	13							3	6
Columbus, Ga.	26,306	10			8					1
Columbus, Ohio	220,135	61	1		22		1		6	
Concord, N. H.	22,858	7	1							1
Corpus Christi, Tex.	10,789									
Council Bluffs, Iowa	31,838	8	1		4					
Covington, Ky.	59,623	18	2				3		1	1
Cranston, R. I.	26,773	1					1			
Cumberland, Md.	26,686	7			1		1		3	
Dallas, Tex.	129,738	43	1						5	11
Danbury, Conn.	22,931	7								
Danvers, Mass.	10,637							1		
Danville, Ill.	32,909	1			4					1
Danville, Va.	20,183			1						
Dayton, Ohio	128,939	19			16		1		2	
Decatur, Ill.	41,483	11	1				1			
Dedham, Mass.	10,618	0								
Denver, Colo.	268,439	60	10		23	1	18			13
Des Moines, Iowa	104,052					1				
Detroit, Mich.	619,648	181	41	2	179	4	35	2	33	10
Dover, N. H.	13,276	6		1					1	
Dubuque, Iowa	40,096						1			
Duluth, Minn.	97,077	32	1	1	43					1
Durham, N. C.	25,160	7								
East Chicago, Ind.	30,286	5								1
East Cleveland, Ohio	13,564				1					

¹ Population Apr. 15, 1910.

July 4, 1919.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City Reports for Week Ended June 14, 1919—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Easthampton, Mass.	10,656	—	—	—	—	—	—	—	—	1
Easton, Pa.	30,854	—	1	2	—	—	—	—	—	—
East Orange, N. J.	43,761	3	—	1	—	—	1	—	—	—
East St. Louis, Ill.	77,312	23	—	4	—	—	3	1	—	2
Eau Claire, Wis.	18,887	—	1	4	—	—	—	—	—	—
Elgin, Ill.	28,562	5	—	1	—	—	—	—	—	—
Elizabeth, N. J.	88,830	—	4	1	—	—	6	—	11	2
Elmira, N. Y.	38,272	12	1	—	—	—	1	—	3	—
Englewood, N. J.	12,603	1	—	—	—	—	—	—	—	5
Erie, Pa.	76,592	—	3	—	—	—	—	—	—	—
Eureka, Cal.	15,142	4	—	1	—	—	—	—	—	—
Evanston, Ill.	29,304	6	1	30	—	—	—	—	—	—
Evansville, Ind.	76,981	12	1	1	—	—	3	—	1	3
Everett, Mass.	40,160	3	—	—	—	—	1	—	2	—
Fairmont, W. Va.	16,111	—	—	—	8	4	—	—	—	—
Fall River, Mass.	129,828	23	2	23	2	—	—	—	7	4
Fargo, N. Dak.	17,872	7	—	6	—	—	3	—	4	—
Findlay, Ohio.	14,858	3	—	11	—	—	—	—	—	1
Flint, Mich.	57,386	8	3	9	—	—	—	—	—	—
Fond du Lac, Wis.	21,486	5	—	—	—	—	—	—	—	—
Fort Dodge, Iowa.	21,639	0	—	—	—	—	—	—	—	—
Fort Wayne, Ind.	78,014	21	1	1	5	—	—	—	—	1
Fort Worth, Tex.	109,597	26	—	1	—	—	—	—	—	2
Framingham, Mass.	14,149	1	—	2	—	—	1	—	—	—
Frederick, Md.	11,225	5	—	2	—	2	—	—	—	—
Fremont, Nebr.	10,080	2	—	—	—	—	—	—	—	—
Fremont, Ohio.	11,034	4	—	—	—	—	—	—	1	—
Fresno, Cal.	36,314	6	—	—	—	—	—	—	—	2
Galesburg, Ill.	24,629	10	—	11	—	—	—	—	—	—
Galveston, Tex.	42,650	14	—	—	—	—	—	—	—	4
Genova, N. Y.	13,915	—	9	—	3	—	—	—	—	—
Gloversville, N. Y.	22,314	—	—	23	—	—	—	—	—	—
Grand Rapids, Mich.	132,861	24	1	15	—	3	—	—	—	—
Great Falls, Mont.	¹ 13,948	3	2	1	—	7	—	—	—	2
Greely, Colo.	11,942	2	—	—	—	—	—	—	—	—
Green Bay, Wis.	30,017	10	1	—	—	3	—	—	—	—
Greenfield, Mass.	12,251	1	—	—	—	—	—	—	—	—
Greensboro, N. C.	20,171	8	—	—	—	—	—	—	—	3
Greensborough, Pa.	15,881	—	—	4	—	—	—	—	—	—
Greenville, S. C.	18,574	2	—	—	—	—	—	—	2	—
Greenwich, Conn.	19,594	—	1	1	—	—	—	—	—	1
Hackensack, N. J.	17,412	1	—	—	—	—	—	—	1	—
Hammond, Ind.	27,016	10	—	3	—	—	—	—	—	—
Harrisburg, Pa.	73,276	—	67	2	—	—	—	—	—	—
Harrison, N. J.	17,345	—	1	—	—	—	—	—	—	—
Hartford, Conn.	112,831	25	5	2	—	8	—	5	—	2
Haverhill, Mass.	49,180	10	—	10	1	—	—	3	—	—
Hazleton, Pa.	28,981	—	1	1	—	1	—	—	—	—
Hibbing, Minn.	17,550	—	—	—	—	—	1	—	—	—
Highland Park, Mich.	33,859	5	5	4	—	4	—	1	—	1
Hoboken, N. J.	78,324	12	6	1	—	—	—	3	—	1
Holland, Mich.	12,459	0	—	—	—	—	—	—	—	—
Holyoke, Mass.	66,503	14	—	—	—	5	—	4	—	1
Hudson, N. Y.	12,898	2	—	—	—	—	—	—	—	1
Hutchinson, Kans.	21,461	—	—	—	—	—	—	2	—	—
Independence, Mo.	11,964	3	—	—	—	—	—	—	—	—
Indianapolis, Ind.	283,622	74	4	17	—	10	—	3	—	5
Ironwood, Mich.	15,095	1	1	—	—	—	—	—	—	—
Ithaca, N. Y.	16,017	5	—	—	—	—	1	—	—	—
Jamestown, N. Y.	37,431	11	1	2	—	—	—	—	—	2
Janesville, Wis.	14,411	7	—	—	—	—	—	—	—	1
Jersey City, N. J.	312,557	—	28	10	—	2	—	18	—	—
Johnstown, N. Y.	10,078	3	—	—	—	—	—	—	—	—
Johnstown, Pa.	70,473	—	1	33	—	1	—	5	—	—
Joplin, Mo.	33,400	—	5	—	—	—	—	2	—	—
Kalamazoo, Mich.	50,408	10	—	61	—	2	—	—	—	—
Kankakee, Ill.	14,270	—	2	—	—	—	—	—	—	—
Kansas City, Kans.	102,096	—	2	6	—	—	—	5	—	—
Kansas City, Mo.	305,816	92	5	25	—	1	—	1	—	5
Kearny, N. J.	245,32	3	2	—	—	—	1	4	—	1

¹ Population Apr. 15, 1910.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—
Continued.

City Reports for Week Ended June 14, 1919—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Kenosha, Wis.	32,833	13	2		13		4			
Knoxville, Tenn.	59,112	—	1		—		2		1	1
Kokomo, Ind.	21,929	6	1		1		—		—	1
Lackawanna, N. Y.	16,219	4	1		1		—		3	—
La Crosse, Wis.	31,835	8	2		—		1		—	2
La Fayette, Ind.	21,481	3	—		3		3		—	
Lancaster, Ohio.	16,086	8	—		1		1		—	1
Lancaster, Pa.	51,437	—	2		3		—		—	
Laurel, Miss.	12,313	—	—		—		—		—	
Lawrence, Kans.	13,477	6	—		—		—		—	
Lawrence, Mass.	102,923	14	2		—		1		3	2
Leominster, Mass.	21,365	4	—		3		—		—	
Lexington, Ky.	41,997	17	—		11		3		—	4
Lima, Ohio.	37,145	13	1		34		5	1	3	2
Lincoln, Nebr.	46,957	13	2	1	—		1		—	1
Little Rock, Ark.	58,716	8	—		—		—		2	1
Logansport, Ind.	21,338	4	—		1		1		—	
Long Beach, Calif.	29,163	10	—		1		—		—	1
Long Branch, N. J.	15,733	5	—		1		1		—	
Lorain, Ohio.	33,266	12	—		3	1	—		—	1
Los Angeles, Calif.	535,485	99	8	—	6		6		68	13
Louisville, Ky.	210,808	—	4	—	7		8		11	9
Lowell, Mass.	114,386	18	3	—	7		3		5	3
Lynchburg, Va.	33,497	9	—		—		—		3	1
Lynn, Mass.	104,534	15	3	—	11		2		4	3
McKeesport, Pa.	48,299	—	4	—	1		—		1	—
Macon, Ga.	46,090	27	—		4		—		—	1
Madison, Wis.	31,315	9	—		3		1		—	1
Malden, Mass.	52,243	4	1	—	—		1		5	—
Manchester, Conn.	15,359	2	—		—		—		—	
Manchester, N. H.	79,607	14	3	1	—		—		5	1
Manitowoc, Wis.	13,931	4	—		—		4		1	1
Mankato, Minn.	10,365	2	—		1		—		1	—
Marquette, Wis.	14,610	3	—		—		—		—	1
Marion, Ind.	19,923	7	—		—		2		—	1
Marion, Ohio.	24,129	—	1	—	—		—		—	
Marlboro, Mass.	15,285	1	—		—		—		—	
Marquette, Mich.	12,555	2	—		3		—		—	
Marshalltown, Iowa.	14,519	—	—		1		—		—	
Martinsburg, W. Va.	12,984	—	—		1		4		—	
Martins Ferry, Ohio.	10,135	—	—		—		—		—	1
Mason City, Iowa.	14,933	2	—		—		—		—	
Medford, Mass.	23,681	6	—		—		1		4	1
Meirose, Mass.	17,724	4	1	—	—		—		2	—
Memphis, Tenn.	151,877	12	1	—	10		4		4	7
Meriden, Conn.	29,431	—	—		—		1		—	1
Methuen, Mass.	14,320	5	—		—		—		—	
Middletown, N. Y.	15,890	—	—		—		—		2	—
Middletown, Ohio.	16,384	2	—		—		—		2	—
Milford, Mass.	14,280	5	—		—		2		1	—
Milwaukee, Wis.	445,008	91	16	1	2		15		23	8
Minneapolis, Minn.	373,448	71	12	—	73	1	12		16	7
Missoula, Mont.	19,075	5	—		—		—		1	—
Mobile, Ala.	59,201	24	—		2		—		—	2
Moline, Ill.	27,976	—	1	—	—		—		—	
Montclair, N. J.	27,087	—	—		—		1		1	1
Montgomery, Ala.	44,039	13	—		—		—		—	
Morgantown, W. Va.	14,444	1	—		1		—		1	—
Morrristown, N. J.	13,410	5	1	1	—		1		—	
Moundsville, W. Va.	11,513	2	—		—		—		1	—
Mount Carmel, Pa.	20,709	—	2	—	7		—		3	—
Mount Vernon, N. Y.	37,991	8	2	—	—		2		—	—
Nanticoke, Pa.	23,811	—	2	—	1		—		—	
Nashua, N. H.	27,541	7	—		—		1		—	
Nashville, Tenn.	118,136	49	—		8		—		3	7
Natick, Mass.	10,140	3	—		—		—		—	
Newark, N. J.	418,789	72	21	—	8		18		14	10
New Bedford, Mass.	121,622	22	2	—	1		5		15	—
New Britain, Conn.	55,385	13	—		26	3	—		—	1
New Brunswick, N. J.	25,855	—	2	—	1		—		2	—

¹ Population Apr. 15, 1910.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.
City Reports for Week Ended June 14, 1919—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Newburgh, N. Y.	29,893	9							2	3
Newburyport, Mass.	15,291	7	1		3				1	1
New Castle, Pa.	41,915								6	
New Haven, Conn.	152,275	39	6	1	22		4		6	2
New London, Conn.	21,199	9	1				1		2	
New Orleans, La.	377,010		3		2		6		21	16
Newport, Ky.	32,133	6					1			
Newport News, Va.	22,622	8			9				2	1
Newport, R. I.	30,585	4	1				2			
Newton, Mass.	44,345	6	1						2	
New York, N. Y.	5,737,492	1,131	307	19	141	3	77	3	437	160
Niagara Falls, N. Y.	33,466	8	2		14		1		2	
Norristown, Pa.	31,909						3			
North Adams, Mass.	122,019	1			1				2	
Northampton, Mass.	20,006	8		1						
North Braddock, Pa.	15,684								2	
North Tonawanda, N. Y.	14,060	4			1					
Norwalk, Conn.	27,332								1	
Norwich, Conn.	21,923				1					
Norwood, Ohio.	23,269	1	3						1	
Oakland, Calif.	203,405	39	6	1	1		5	1	8	4
Oak Park, Ill.	27,816	7	1		40					
Ogdensburg, N. Y.	16,845	5								
Odgen, Utah.	32,343	6	1	1						
Oil City, Pa.	20,162		2		52					
Oklahoma City, Okla.	97,588	15	2				2			1
Olean, N. Y.	16,927	6								
Omaha, Nebr.	177,777	37	3		13		5			4
Orange, N. J.	33,636	8	2				3		2	
Oshkosh, Wis.	35,549	6	1				1			
Ossining, N. Y.	14,064	11			11					
Parkersburg, W. Va.	21,059	2					2			
Parsons, Kans.	15,952				1					
Pasadena, Calif.	49,620	12							4	1
Passaic, N. J.	74,478	15	3				4		3	1
Paterson, N. J.	140,512		6				1		6	
Peckskill, N. Y.	19,034	3								2
Pekin, Ill.	10,973				2					
Peoria, Ill.	72,184	21	1				1		1	6
Perth Amboy, N. J.	42,646	2								
Philadelphia, Pa.	1,735,514	409	63	3	159	2	64	2	102	54
Phillipsburg, N. J.	15,879	3							3	
Phoenixville, Pa.	11,871		1		7					
Pittsburgh, Pa.	585,196		22		29		5		28	
Pittsfield, Mass.	32,678	6								
Pittston, Pa.	18,975		1							
Plainfield, N. J.	24,330	5							2	
Plattsburgh, N. Y.	13,111	4	1							
Plymouth, Mass.	14,001	6								
Plymouth, Pa.	19,439				1				1	
Pocatello, Idaho.	12,806	0								
Pontiac, Mich.	18,006	8	6		9					
Port Chester, N. Y.	16,727	2					2			
Portland, Me.	64,720	20			2		8			
Portland, Oreg.	308,399	53	4		3		16		5	3
Portsmouth, Va.	40,693	15							2	1
Pottstown, Pa.	16,987				7					
Pottsville, Pa.	22,717				1		1			
Poughkeepsie, N. Y.	30,786	6	2						2	
Providence, R. I.	259,895	39	11	1	1		2			7
Pueblo, Colo.	56,084						2			
Quincy, Ill.	36,832	6			1					1
Quincy, Mass.	39,022	10	2		1		4		2	
Racine, Wis.	47,465	8					6			
Rahway, N. J.	10,361	0								
Raleigh, N. C.	20,274	0					1			2
Reading, Pa.	111,507		2		8				1	
Redlands, Calif.	14,573	3			1					
Reno, Nev.	15,514	4								
Richmond, Va.	158,702	54	1		9	1	3		8	3

¹ Population Apr. 15, 1910.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—
 Continued.

City Reports for Week Ended June 14, 1919—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuber- culosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Riverside, Calif.	20,496	8								
Roanoke, Va.	46,282	10			10		2			1
Rochester, N. Y.	264,714				2		1			1
Rockford, Ill.	56,739	16								3
Rock Island, Ill.	29,452	12			1					
Rocky Mount, N. C.	12,673	5			1					
Rutland, Vt.	15,038	2							1	1
Sacramento, Calif.	68,984	16	1				2			1
Saginaw, Mich.	56,469	19	3				4			3
St. Cloud, Minn.	12,013		1							
St. Joseph, Mo.	36,498	23	1		1		11		1	1
St. Louis, Mo.	768,630	188	60	4	112	2	23		52	22
St. Paul, Minn.	252,465	66	12		97	2	7		10	5
Salem, Mass.	49,346	11	1				2			
Salem, Ore.	21,274		1				1			
Salt Lake City, Utah.	121,623	21	3		1		5			2
San Angelo, Tex.	10,321	13								
San Bernardino, Calif.	17,616	6								3
San Diego, Calif.	56,412	16	2							
Sandusky, Ohio.	20,226	2			3					
Sanford, Me.	11,217	1								
San Francisco, Calif.	471,023	150	10	4	2		6		25	21
San Jose, Calif.	39,810		2	1			3		1	
Santa Barbara, Calif.	15,360		2							
Saratoga Springs, N. Y.	13,839	4								
Saugus, Mass.	10,210								1	1
Sault Ste. Marie, Mich.	14,130	3	1							
Savannah, Ga.	69,250	30								
Schenectady, N. Y.	103,774	12	1		14		1		1	3
Scranton, Pa.	149,541		4				3		2	
Seattle, Wash.	366,445		7		7		1		3	
Shamokin, Pa.	21,274		2		36		10			
Sioux City, Iowa.	58,568		2							
Sioux Falls, S. Dak.	16,887	6			5		2			
Somerville, Mass.	88,618	19	4		2		1		5	3
South Bend, Ind.	70,967	10			1				2	1
Southbridge, Mass.	14,465	2							1	
Spokane, Wash.	157,656		2		12		11			
Springfield, Ill.	62,623	11								
Springfield, Mass.	108,668	21	1							
Springfield, Mo.	41,169	7								
Springfield, Ohio.	52,236	7								
Steeltown, Pa.	15,759									
Steubenville, Ohio.	28,259	13	1							
Stillwater, Minn.	110,198		1							
Stockton, Cal.	36,209	10	1							
Sunbury, Pa.	16,661									
Superior, Wis.	47,167	6								
Syracuse, N. Y.	158,559	35	5				10		2	3
Tacoma, Wash.	117,446		2		5		4			
Taunton, Mass.	36,610	11	1		14				4	1
Terre Haute, Ind.	67,361	10								
Toledo, Ohio.	202,010	48	3	1	141		4			
Topeka, Kans.	49,538	9			1				2	1
Trenton, N. J.	113,974	23			43				11	4
Troy, N. Y.	78,094	17	3	1	2				1	1
Tulsa, Okla.	32,507									
Uniontown, Pa.	21,600									
Vallejo, Cal.	13,803	3								
Vancouver, Wash.	13,805		1							
Waco, Tex.	34,015	13	1							
Walla Walla, Wash.	26,067									
Waltham, Mass.	31,011	5								
Warren, Pa.	15,083									
Washington, D. C.	369,282		8	2	4		8		20	12
Washington, Pa.	22,076		1							
Waterbury, Conn.	89,201	2	2	1	10		7		6	1
Watertown, Mass.	15,188		2							
Watertown, N. Y.	30,404		1							

¹ Population Apr. 15, 1910.

July 4, 1919.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City Reports for Week Ended June 14, 1919—Continued.

City.	Population as of July 1, 1917 (estimated by U. S. Census Bureau).	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Wausau, Wis.	19,666	1								
Webster, Mass.	13,484	1								
Westfield, Mass.	18,769	1	1							
West Hoboken, N. J.	44,386	1	2							
West New York, N. J.	19,613	1	1				2			
West Orange, N. J.	13,964	2					1			
Wheeling, W. Va.	43,657	6			1				3	
White Plains, N. Y.	23,331	4					1		1	
Wichita, Kans.	73,597	21	1						2	
Wilkes-Barre, Pa.	78,334		2		10		4		2	
Williamsport, Pa.	34,123		1		9					
Wilmington, Del.	95,369	26	2		5		1			
Wilmington, N. C.	30,400	15	1		3				1	1
Winchester, Mass.	10,812	2								
Winona, Minn.	18,583				5		1			
Winston-Salem, N. C.	33,136	13	3		13				4	1
Winthrop, Mass.	13,105		1				2			
Woburn, Mass.	16,076	6								
Worcester, Mass.	166,106	46	2	1	39	1	1		10	4
Yakima, Wash.	22,058						4		1	
Yonkers, N. Y.	103,066	10	1		3		1			3
York, Pa.	52,770		4		5		3		2	
Youngstown, Ohio.	112,282	20	3		29		1		2	1
Zanesville, Ohio.	31,320	12							1	1

¹ Population Apr. 15, 1910.

FOREIGN.

INFLUENZA ON VESSEL.

Steamship *Alfonso XII* from Spain to Habana.

On June 11, 1919, 86 cases of influenza were reported to have occurred on board the steamship *Alfonso XII* en route from Spain to Habana.

CHINA.

Plague—Hongkong.

During the week ended June 21, 1919, 27 cases of plague with 20 fatalities were notified at Hongkong, China, and during the week ended June 28, 15 cases with 13 deaths.

CUBA.

Communicable Diseases—Habana.

Communicable diseases have been notified at Habana as follows:

Disease.	May 11-20, 1919.		Remaining under treatment May 20, 1919.
	New cases.	Deaths.	
Broncho-pneumonia.....	4	2	3
Diphtheria.....	2	.....	5
Influenza.....	1	1	.....
Leprosy.....	.....	.....	17
Malaria.....	3	.....	11
Paratyphoid fever.....	2	.....	6
Scarlet fever.....	.....	1	.....
Typhoid fever.....	11	3	26

¹ From the interior 9.

² From the interior 18.

GREECE.

Epidemic Cerebrospinal Meningitis—Patras.

An outbreak of epidemic cerebrospinal meningitis, occurring in barracks, was reported at Patras, Greece, June 19, 1919.

MEXICO.

Yellow Fever—Merida, Yucatan.

Five cases of yellow fever were reported July 1, 1919, at Merida, Yucatan, Mexico.

SALVADOR.

Yellow Fever—San Miguel—San Salvador.

On June 24, 1919, three cases of yellow fever were reported in Salvador, of which two cases occurred at San Miguel and one case with one death at San Salvador.

July 4, 1919.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.**Reports Received During Week Ended July 4, 1919.¹****CHOLERA.**

Place.	Date.	Cases.	Deaths.	Remarks.
Ceylon: Colombo.....	Apr. 20-26.....	10	.....
India: Bombay.....	Apr. 28-May 3.....	7	8	
Rangoon.....	do.....	29	23	
Indo-China: Cochin-China— Saigon.....	Apr. 21-May 4.....	57	42	City and district.
Philippine Islands: Manila Provinces.....	May 4-10.....	2	.....
Batangas.....	May 4-10.....	12	9	May 4-10, 1919: Cases, 122; deaths, 89.
Bulacan.....	do.....	4	2	
Cebu.....	do.....	31	13	
Laguna.....	do.....	8	7	
Pampanga.....	do.....	67	49	
Manila Provinces.....	May 11-17.....	1	1	May 11-17, 1919: Cases, 198; deaths, 129.
Batangas.....	May 11-17.....	8	9	
Bulacan.....	do.....	15	5	
Cebu.....	do.....	41	15	
Laguna.....	do.....	4	2	
Mindoro.....	do.....	19	14	
Pampanga.....	do.....	47	39	
Tayabas.....	do.....	64	45	
Siam: Bangkok.....	Apr. 20-26.....	121	363	

PLAGUE.

China: Hongkong.....	June 15-28.....	42	43	
India.....	Apr. 28-May 3.....	90	74	Apr. 27-May 3, 1919: Cases, 1,694; deaths, 1,454.
Rangoon.....	do.....	21	21	
Indo-China: Cochin-China— Saigon.....	Apr. 21-May 3.....	12	9	City and district.
Mesopotamia: Bagdad.....	Apr. 19-May 2.....	144	105	

SMALLPOX.

Arabia: Aden.....	May 13-19.....	.....	1	
Canada: Nova Scotia— Sydney.....	June 8-21.....	3	.....
Ontario— Province.....	.....	.....	.....	May 1-31, 1919: Cases, 98; deaths, 2.
Harwich.....	May 1-31.....	14	2	Township in Kent County.
Ottawa.....	June 15-21.....	2	.....
Walpole Island.....	May 1-31.....	42	.....	Kent County. Island in Lake St. Clair. Among Indians.
Ceylon: Colombo.....	May 1-10.....	1	.....
China: Amoy.....	Apr. 30-May 19.....	.....	7	
Chungking.....	May 4-10.....	.....	.....	Present.
Hongkong.....	May 11-12.....	1	.....
Chosen (Korea): Chemulpo.....	Apr. 1-30.....	9	1	
Fusan.....	do.....	144	24	
Seoul.....	do.....	1	1	
Egypt: Alexandria.....	May 14-20.....	23	9	

¹ From medical officers of the Public Health Service, American consuls, and other sources. For reports received from Dec. 28, 1918, to June 27, 1919, see Public Health Reports for June 27, 1919. The tables of epidemic diseases are terminated semiannually and new tables begun.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.
Reports Received During Week Ended July 4, 1919—Continued.
SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay.....	Apr. 28-May 3.....	65	45	
Rangoon.....	do.....	35	16	
Indo-China:				
Cochin-China—				
Saigon.....	Apr. 21-May 3.....	8	2	City and district.
Italy:				
Milan.....	Apr. 1-30.....	12	2	
Japan:				
Kobe.....	May 4-10.....	24	11	
Manchuria:				
Dairen.....	May 13-26.....	2	1	
Mexico:				
Mexico City.....	May 4-31.....	10	.....
Newfoundland:				
St. Johns.....	June 13-19.....	2	.....	Outports, 9 cases.
Philippine Islands:				
Manila.....	May 11-17.....	1	.....
Spain:				
Barcelona.....	May 15-21.....	.....	3	
Cadiz.....	Apr. 1-30.....	.....	4	
Valencia.....	May 11-17.....	74	3	
Straits Settlements:				
Singapore.....	Mar. 24-29.....	1	1	

TYPHUS FEVER.

Canada:				
Ontario—				
Ottawa.....	June 15-21.....	3	.....
China:				
Changsha.....	May 11-17.....	1	1	
Chosen (Korea):				
Chemulpo.....	Apr. 1-30.....	2	.....
Seoul.....	do.....	22	6	
Egypt:				
Alexandria.....	May 14-20.....	120	25	
Mesopotamia:				
Bagdad.....	Apr. 19-May 2.....	8	3	
Mexico:				
Mexico City.....	May 4-31.....	86	.....
Palestine:				
Jaffa.....	.....	.....	.....	Oct. 22-Dec. 22, 1918: Cases, 8; deaths, 3.
Spain:				
Barcelona.....	May 15-21.....	.....	1	
Tunis:				
Tunis.....	May 24-30.....	2	1	

YELLOW FEVER.

Brazil:				
Bahia.....	Apr. 12-19.....	1	3	
Ecuador:				
Guayaquil.....	May 1-31.....	1	1	
Naranjito.....	do.....	1	.....
Mexico:				
Merida.....	June 30-July 1.....	5	2	State of Yucatan.
Salvador:				
St. Miguel.....	June 24.....	2	.....	75 miles from city of San Salvador.
San Salvador.....	do.....	1	1	